

# APOL4 (Human) Recombinant Protein

Catalog # P8438

Size 2 x 10 ug

## Specification

|                      |                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Human APOL4 (Q9BPW4, 1 a.a. - 348 a.a.) partial-length recombinant protein with His-tag at N-terminal expressed in <i>Escherichia coli</i> .                                                                                                                                                                                                                                        |
| Sequence             | MGSSHHHHHHSSGLVPRGSHMGSMGSWWQLITSVGVQQNHPGWTVAGQFQEKKRFTEEVIEYFQKKVSPVHLKILLTSDEAWKRFVRVAELPREEADALYEALKNLTPYVAIEDKDMQQKEQQFREWFLKEFPQIRWKIQESIERLRVIANEIEKVHRGCVIANVVSGSTGILSVIGVMLAPFTAGLSLSITAAGVGLGIASATAGIASSIVENTYTRSAELTASRLTATSTDQLEALRDILRDITPNVLSFALDFDEATKMIANDVHTLRRSKATVGRPLIAWRYVPINVVETLRTRGAPTRIVRKVARNLGKATSGVLVLDVVNLVQDSL DLHKGAKSESAESLRQWAQEELENLNLTHIHQSLKAG. |
| Host                 | <i>Escherichia coli</i>                                                                                                                                                                                                                                                                                                                                                             |
| Theoretical MW (kDa) | 41.1                                                                                                                                                                                                                                                                                                                                                                                |
| Form                 | Liquid                                                                                                                                                                                                                                                                                                                                                                              |
| Preparation Method   | <i>Escherichia coli</i> expression system                                                                                                                                                                                                                                                                                                                                           |
| Purity               | > 85% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Buffer       | 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.                                                                                                                                                                                                                                                                                                                          |
| Storage Instruction  | Store, frozen at -20°C for longer periods of time.<br>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).<br>Avoid multiple freeze-thaw cycles.                                                                                                                                                                                                     |

## Applications

- SDS-PAGE

## Gene Info — APOL4

Entrez GeneID

[80832](#)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Accession# | <a href="#">Q9BPW4</a>                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Name          | APOL4                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Alias         | APOL-IV, APOLIV                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Description   | apolipoprotein L, 4                                                                                                                                                                                                                                                                                                                                                                                         |
| Omim ID            | <a href="#">181500 607254</a>                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Summary       | The protein encoded by this gene is a member of the apolipoprotein L family and may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver. Two transcript variants encoding two different isoforms have been found for this gene. Only one of the isoforms appears to be a secreted protein. [provided by RefSeq] |
| Other Designations | OTTHUMP00000028937 apolipoprotein L-IV apolipoprotein L4                                                                                                                                                                                                                                                                                                                                                    |

## Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)