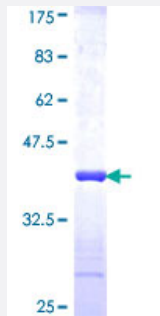


ACYP2 (Human) Recombinant Protein (Q01)

Catalog # H00000098-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ACYP2 partial ORF (NP_612457, 1 a.a. - 98 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSTAQSLKSVDYEVFGRVQGVCFRMYTEDEARKIGVVGWVKNTSKGTVTGQVQGPEDKVNSMK SWLSKVGSPSSRIDRTNFSNEKTISKLEYSNFSIR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (84); Rat (88)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ACYP2

Entrez GeneID [98](#)

GeneBank Accession# [NM_138448](#)

Protein Accession# [NP_612457](#)

Gene Name ACYP2

Gene Alias ACYM, ACYP

Gene Description acylphosphatase 2, muscle type

Omim ID [102595](#)

Gene Ontology [Hyperlink](#)

Gene Summary Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the $\text{Ca}^{2+}/\text{Mg}^{2+}$ -ATPase from sarcoplasmic reticulum of skeletal muscle. Two isoenzymes have been isolated, called muscle acylphosphatase and erythrocyte acylphosphatase on the basis of their tissue localization. This gene encodes the muscle-type isoform (MT). An increase of the MT isoform is associated with muscle differentiation. [provided by RefSeq]

Other Designations acylphosphate phosphohydrolase|muscle-type acylphosphatase 2

Pathway

- [Benzoate degradation via CoA ligation](#)
- [Pyruvate metabolism](#)

Disease

- [Carcinoma](#)
- [Cerebral Hemorrhage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)