

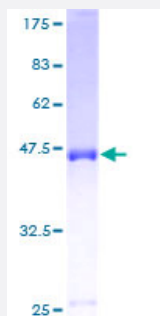
Full-Length

## NUDT4 (Human) Recombinant Protein (P01)

Catalog # H00011163-P01

Size 25 ug, 10 ug

### Applications



### Specification

|                                      |  |
|--------------------------------------|--|
| <b>Product Description</b>           | Human NUDT4 full-length ORF ( AAH12069, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Sequence</b>                      | MMKFKPNQTRTYDREGFKKRAACLCFRSEQEDEVLLVSSSRYPDQWVPGGGMEPEEEPPGAA<br>VREYEEAGVKGKLGRLLGIFEQNQDRKHRTYVYVLTVTEILEDWEDSVNIGRKREWFKVEDAIKV<br>LQCHKPVHAEYLEKLKLGCS PANGNSTVPSLPDNNALFVTAAQTSGLPSSVR |
| <b>Host</b>                          | Wheat Germ (in vitro)  |
| <b>Theoretical MW (kDa)</b>          | 45.65  |
| <b>Interspecies Antigen Sequence</b> | Mouse (96); Rat (95)   |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>  |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow  |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.  |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.   |
| <b>Storage Instruction</b>           | 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 — NUDT4

Entrez GeneID [11163](#)

GeneBank Accession# [BC012069](#)

Protein Accession# [AAH12069](#)

Gene Name NUDT4

Gene Alias DIPP2, DIPP2alpha, DIPP2beta, DKFZp686I1281, HDCMB47P, KIAA0487

Gene Description nudix (nucleoside diphosphate linked moiety X)-type motif 4

Omim ID [609229](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene regulates the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates represents a molecular switching activity with important regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may contribute to regulating intracellular trafficking. Several alternatively spliced transcript variants have been described, but the full-length nature of some variants has not been determined. Isoforms DIPP2alpha and DIPP2beta are distinguishable from each other solely by DIPP2beta possessing one additional amino acid due to intron boundary skidding in alternate splicing. [provided by RefSeq]

**Other Designations** diphosphoinositol polyphosphate phosphohydrolase type 2|nudix-type motif 4