

Full-Length

NUDT14 (Human) Recombinant Protein (P01)

Catalog # H00256281-P01

Size 50 ug

Specification

Product Description	Human NUDT14 full-length ORF (ADR82737.1, 1 a.a. - 222 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MERIEGASVGRCAASPYLRPLTLHYRQNGAQKSWDFMKTHDSVTVLLFNSSRRSLVLVKQFRPA VYAGEVERRRFPGLAAVDQDGPRELQPALPGSAGVTVELCAGLVDQPGLSLEEVACKEAWEE CGYHLAPSDLRRVATYWSGVGLTGSRQTMFYTEVTDAQRSGPGGGLVEEGELIEVVHLPLEGAQ AFADDPDIPKTLGVIFGVSWFLSQVAPNLDLQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	24.5
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — NUDT14

Entrez GeneID [256281](#)**GeneBank Accession#** [HQ257983.1](#)**Protein Accession#** [ADR82737.1](#)**Gene Name** NUDT14**Gene Alias** UGPP, UGPPase**Gene Description** nudix (nucleoside diphosphate linked moiety X)-type motif 14**Omim ID** [609219](#)**Gene Ontology** [Hyperlink](#)

Gene Summary UDP-glucose (UDPG) acts as the sugar donor in numerous glycosylation reactions, including those involved in the production of glycogen. NUDT14 is a UDPG pyrophosphatase (EC 3.6.1.45) that hydrolyzes UDPG to produce glucose 1-phosphate and UMP (Yagi et al., 2003 [PubMed 12429023]).[supplied by OMIM]

Other Designations OTTHUMP00000163909|UDP-sugar diphosphatase|nucleoside diphosphate linked moiety X-type motif 14|uridine diphosphate glucose pyrophosphatase