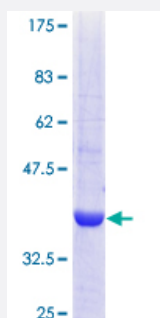


POFUT1 (Human) Recombinant Protein (Q01)

Catalog # H00023509-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human POFUT1 partial ORF (NP_758436, 85 a.a. - 194 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VSYQKYFKLEPLQAYHRVISLEDFMEKLAPTHWPPEKRVAYCFEVAAQRSPDKKTCPMKEGNPF GPFWDQFHVSFNKSELFSGISFSASYREQWSQRRENHSCVTLLFPR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (90); Rat (89)
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 — POFUT1

Entrez GeneID [23509](#)

GeneBank Accession# [NM_172236](#)

Protein Accession# [NP_758436](#)

Gene Name POFUT1

Gene Alias FUT12, KIAA0180, MGC2482, O-FUT, O-Fuc-T, O-FucT-1

Gene Description protein O-fucosyltransferase 1

Omim ID [607491](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the glycosyltransferase O-Fuc family. This enzyme adds O-fucose through an O-glycosidic linkage to conserved serine or threonine residues in the epidermal growth factor-like repeats of a number of cell surface and secreted proteins. O-fucose glycans are involved in ligand-induced receptor signaling. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations GDP-fucose protein O-fucosyltransferase 1|OTTHUMP00000030583|OTTHUMP00000030584|O-fucosyltransferase protein

Disease

- [Tobacco Use Disorder](#)