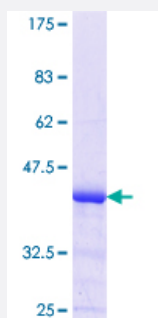


POMT1 (Human) Recombinant Protein (Q01)

Catalog # H00010585-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human POMT1 partial ORF (NP_009102.2, 483 a.a. - 580 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LPDWGYRQLEIVGEKLSRGYHGSTVWNVEEHRYGASQEQRERERELHSPAQVDVSRNLSFMAR FSELQWRMLALRSDDSEHKYSSSPLEWVTLDTNIA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (85); Rat (85)
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 — POMT1

Entrez GeneID [10585](#)

GeneBank Accession# [NM_007171](#)

Protein Accession# [NP_009102.2](#)

Gene Name POMT1

Gene Alias FLJ37239, LGMD2K, RT

Gene Description protein-O-mannosyltransferase 1

Omim ID [236670](#) [607423](#) [609308](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is an O-mannosyltransferase that requires interaction with the product of the POMT2 gene for enzymatic function. The encoded protein is found in the membrane of the endoplasmic reticulum. Defects in this gene are a cause of Walker-Warburg syndrome (WS) and limb-girdle muscular dystrophy type 2K (LGMD2K). Several transcript variants encoding different isoforms have been found for this gene

Other Designations OTTHUMP00000022405|OTTHUMP00000022406|OTTHUMP00000022407

Pathway

- [O-Mannosyl glycan biosynthesis](#)

Disease

- [Brain Diseases](#)
- [Brain Neoplasms](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Glioma](#)
- [Muscular Dystrophies](#)