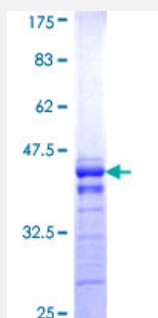


MTMR2 (Human) Recombinant Protein (Q01)

Catalog # H00008898-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MTMR2 partial ORF (NP_057240, 5 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SSCESLGSQPAAARPPSVDSLSSASTSHSENSVHTKSASVSSDSISTSADNFSPDLRVLRRESN KLAEMEEPPLLPGENIKDMAKDVTYICPFTGA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.3
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — MTMR2

Entrez GeneID [8898](#)

GeneBank Accession# [NM_016156](#)

Protein Accession# [NP_057240](#)

Gene Name MTMR2

Gene Alias CMT4B, CMT4B1, KIAA1073

Gene Description myotubularin related protein 2

Omim ID [601382](#) [603557](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the myotubularin family. The encoded protein possesses phosphatase activity towards phosphatidylinositol-3-phosphate and phosphatidylinositol-3,5-bisphosphate. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4B, an autosomal recessive demyelinating neuropathy. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

Other Designations myotubularin-related protein 2

Pathway

- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)
- [Riboflavin metabolism](#)

- [Thiamine metabolism](#)

Disease

- [Charcot-Marie-Tooth Disease](#)
- [Deafness](#)
- [Kidney Failure](#)