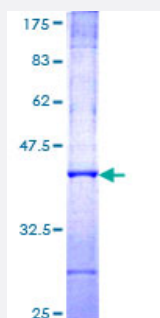


FCMD (Human) Recombinant Protein (Q01)

Catalog # H00002218-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FCMD partial ORF (NP_006722, 29 a.a. - 138 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KHYLSTKNGAGLSKSKGSRIGFDSTQWRAVKKFIMLTSNQNVPVFLIDPLILELINKNFEQVKNTSH GSTSQCKFFCVPRDFTAFALQYHLWKNEEGWFRFAENMGFQCL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
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 — FKTN

Entrez GeneID	2218
GeneBank Accession#	NM_006731
Protein Accession#	NP_006722
Gene Name	FKTN
Gene Alias	CMD1X, FCMD, LGMD2M, MGC126857, MGC134944, MGC134945, MGC138243
Gene Description	fukutin
Omim ID	236670 253800 607440
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a putative transmembrane protein that is localized to the cis-Golgi compartment, where it may be involved in the glycosylation of alpha-dystroglycan in skeletal muscle. The encoded protein is thought to be a glycosyltransferase and could play a role in brain development. Defects in this gene are a cause of Fukuyama-type congenital muscular dystrophy (FCMD), Walker-Warburg syndrome (WWS), limb-girdle muscular dystrophy type 2M (LGMD2M), and dilated cardiomyopathy type 1X (CMD1X). Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	Fukuyama type congenital muscular dystrophy protein OTTHUMP00000021841

Disease

- [Cardiomyopathy](#)
- [Muscular Dystrophies](#)

- [Muscular Dystrophy](#)