



Recombinant Crab-eating macaque FKTN Protein Product Manual

1. Product Basic Information

Product No.: REP06894

Protein Name: Patient Fukutin (FKTN)

Aliases: FCMD; CMD1X; LGMD2M; MDDGA4; MDDGB4; MDDGC4; LGMDR13; fukutin; patient fukutin; ribitol-5-phosphate transferase; ribitol-5-phosphate transferase FKTN

UniProt ID: O75072

UniProt Link: <https://www.uniprot.org/uniprotkb/O75072/entry>

Species Source: Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)

Expression System: E.coli

Protein Length: Partial (29-461aa)

Molecular Weight: 58.0 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (29-461aa)

KHYLSTRNGAGLSKSKGSRIGFDSTQWRAVKKFIMLT SNQNV PVFLIDPLILELINKN
FEQVKNTSQGSISQCTFFCVPRDFTAFALQYHLWKNEEGWFRIAENMGFQCLKIES
KDPRLDGIDSLSGTEIPLHYICKLAAHAIHLVVFHERSSNYLWHGHLRLKEHIDRK FV
PFRKLQFGRYPGA FDRPELQQVTVDGLEVLIPKDPMHFVEEVP HSRFIECRYKEAR
AFFQQYLLDNTVEAMAFRKS AKELLQLAAKTLNKLGV PFWLSSGTCLGWYRQCNII
PYSKDVDLGI FIQDYKSDIILAFQDAGLPLKHKFGKVEDSLELSFQ GKDDVKLDIFFFY
EETDHMWNGGTQAKTGKKFKYLF PKFTLCWTEFVDMKVHVPCETLEYIEANYGKT
WKIPVKTWDWKRSPPNVQPNGIWP ISEWDEVIQLY

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).



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Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Crab-eating macaque FKTN partial protein (29-461aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. FKTN, also known as FCMD or CMD1X or LGMD2M, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.