



Recombinant Human MYO19 Protein Product Manual

1. Product Basic Information

Product No.: REP07547

Protein Name: Myosin Xix (MYO19)

Aliases: myosin XIX; unconventional myosin-XIX

UniProt ID: Q96H55

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96H55/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-770aa)

Molecular Weight: 102.6kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (2-770aa)

LQQVNGHNPGSDGQAREYLREDLQEFLLGGVLLYKLDDLTRVNPVTLETVLRCLQA
RYMADTFYTNAGCTLVALNPFKVPQQLYSPELMREYHAAPQPQKLKPHVFTVGEQ
TYRNVKSLIEPVNQSIIVSGESGAGKTWTSRCLMKFYAVVATSPASWESHKIAERIE
QRILNSNPVMEAFGNACTLRNNNSSRFGKFIQLQLNRAQQMTGAAVQTYLLEKTRV
ACQASSERNFHIFYQICKGASEDERLQWHLPEGAAFSWLPNPERSLIEDCFEVTRE
AMLHLGIDTPTQNNIFKVLGALLHLGNIQFAASEDEAQPCQPMDDAKYSVRTAASLL
GLPEDVLLEMVQIRTIRAGRQQQVFRKPCARAECDDTRDCLAKLIYARLFDWLVSVI
NSSICADTDSWTTFIGLLDVYGFESFPDNLQCLCINYANEKLQLEACGLVETIHISAA
GFPIRVSHRNFVERYKLLRRLHPCTSSGPDSPYPAKGLPEWCPSHSEATLEPLIQDI
LHTLPVLTQAAAITGDSAEAMPAPMHCGRTKVFMTDSMLELLECGRARVLEQCARC
IQGGWRRHRHREQERQWRAVMLIQAAIRSWLTRKHIQRLHAAATVIKRAWQKWRI
RMACLAAKELDGVEEKHFSQAPCSLSTSPQLTRLEAIIRLWPLGLVLANTAMGVGS
FQRKLVVWACLQLPRGSPSSYTVQTAQDQAGVTSIRALPQGSIKFHCRKSPLRYAD
ICPEPSPYSITGFNQILLERHRLIHVTSSAFTGLG

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom

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 Human MYO19 full length of mature protein protein (2-770aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. MYO19, also known as myosin XIX or unconventional myosin-XIX, 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.