

Recombinant Human MYO19 Protein (2-770 aa), His-SUMO-tagged

Cat. No. MYO19-1075H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYO19 Protein (2-770 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	2-770 aa
Description	Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movents. Their highly divergent tails are presumed to bind to mbranous compartments, which would be moved relative to actin filaments. MYO19 is involved in mitochondrial motility.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	102.6 kDa
AA Sequence	LQQVNGHNP GSDGQAREYLREDLQEFLGGEVLLYKLDDLTRVNPVTLETVLRCLQA RYMADTFYTNAGCTLVALNPFPKVPVQLYSPELMREYHAAPQPQKLKPHVFTVGEQT YRNVKSLIEPVNQSIVVSGESGAGKTWTSRCLMKFYAVVATSPASWESHKIAERIEQ RILNSNPVMEAFGNACTLRNNNSSRFGKFIQLQLNRAQQMTGAAVQTYLLEKTRVA CQASSERNFHIFYQICKGASEDERLQWHLPEGAAFSWLPNPERSLIEDCFEVTREA

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MLHLGIDTPTQNNIFKVLAGLLHLGNIQFAASEDEAQPCQPMDDAKYSVRTAASLLG
 LPEDVLLEMVQIRTIRAGRQQQVFRKPCARAECDDTRDCLAKLIYARLFDWLVSINS
 SICADTDSWTTFIGLLDVYGFESFPDINSLEQLCINYANEKLQLEACGLVETIHISAAGF
 PIRVSHRNFFVERYKLLRRLHPCTSSGPDSPYPAKGLPEWCPHSEEATLEPLIQDILHT
 LPVLTQAAAITGDSAEAMPAPMHCGRTKVFMTDSMLELLECGRARVLEQCARCIQG
 GWRRHRHREQERQWRAVMLIQAAIRSWLTRKHIQRLHAAATVIKRAWQKWIRMA
 CLAAKELDGVEEKHFSQAPCSLSTSPLQTRLLEAIIRLWPLGLVLANTAMGVGSFQR
 KLVVWACLQLPRGSPSSYTVQTAQDQAGVTSIRALPQGSIKFHCRCRKSPLRYADICPE
 PSPYSITGFNQILLERHRLIHVTSSAFTGLG

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name MYO19 myosin XIX [Homo sapiens]

Official Symbol MYO19

Synonyms MYO19; myosin XIX; FLJ22865; myosin-XIX; MYOHD1;

Gene ID 80179

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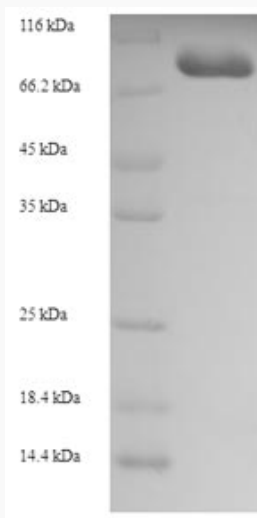
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mRNA Refseq [NM_001033580](#)

Protein Refseq [NP_001028752](#)

UniProt ID [Q96H55](#)



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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