

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

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

SPECIFICATION

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|-------------------------|--|
| 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 movements. Their highly divergent tails are presumed to bind to membranous 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 | LQQVNGHNPGSDGQAREYLREDLQEFLLGGEVLLYKLDDLTRVNPVTLETVLRCLQA RYMADTFYTNAGCTLVALNPFKVPVQLYSPELMREYHAAPQPQKPKPHVFTVGEQT YRNVKSLIEPVNQSIVVSGESGAGKTWTSRCLMKFYAVVATSPASWESHKIAERIEQ RILNSNPVMEAFGNACTLRNNNSSRFGKFIQLQLNRAQQMTGAAVQTYLLEKTRVA CQASSERNFHIFYQICKGASDERLQWHLPEGAAFSWLPNPERSOLEEDCFEVTREA |

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MLHLGIDTPTQNNIFKVLAGLLHLGNIQFAASEDEAQPCQPMDDAKYSVRTAASLLG
 LPEDVLLVMVQIRTIRAGRQQQVFRKPCARAECDDRCLAKLIYARLFDWLVSINS
 SICADTDSWTTFIGLLDVYGFESFPDNSLEQLCINYANEKLQLEACGLVETIHISAAGF
 PIRVSHRNVERYKLLRRLHPCTSSGPDSPYPAKGLPEWCPHSEEATLEPLIQDILHT
 LPVLTQAAAITGDSAEAMPAPMHCGRTKVFMTDSMLELLECGRARVLEQCARCIIQG
 GWRRHRHREQERQWRVMLIQAAIRSWLTRKHIQRLHAAATVIKRAWQKWIRMA
 CLAAKELDGVEEKHFSQAPCSLSTSPLQTRLLEAIIRLWPLGLVLANTAMGVGSFQR
 KLVVWACLQLPRGSPSSYTVQTAQDQAGVTSIRALPQGSIKFHCRKSPLRYADICPE
 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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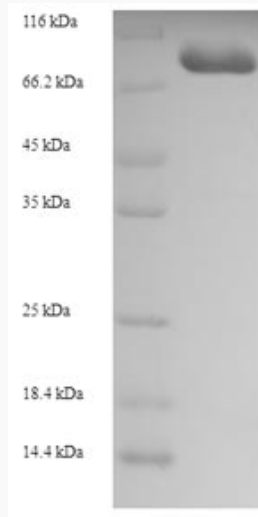
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mRNA Refseq [NM_001033580](#)

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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