



Recombinant Human Unconventional myosin-XIX (MYO19)

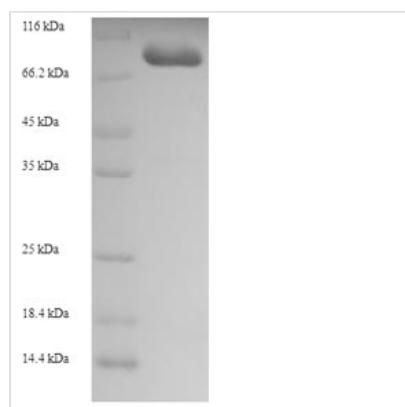
Product Code	CSB-EP836223HU
Relevance	Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. MYO19 is involved in mitochondrial motility.
Abbreviation	Recombinant Human MYO19 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q96H55
Alias	Myosin head domain-containing protein 1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LQQVNGHNPGSDGQAREYLREDLQEFLGGEVLLYKLLDDLTRVNPVTLETVLR CLQARYMADTFYTNAGCTLVALNPFKVPQLYSPELMREYHAAPQPQKLPKPH VFTVGEQTYRNVKSLIEPVNQSIVVSGESGAGKTWTSRCLMKFYAVVATSPAS WESHKIAERIEQRILNSNPVMEAFGNACTLRNNNSSRFGKFIQLQLNRAQQMT GAAVQTYLLEKTRVACQASSERNFHIFYQICKGASEDERLQWHLPEGAAFSWL PNPERSLEEDCFEVTREAMLHLGIDTPTQNNIFKVLGALLHLGNIQFAASEDEA QPCQPMDDAKYSVRTAASLLGLPEDVLLVMQIRTIRAGRQQQVFRKPCARA ECDTRRDCLAKLIYARLFDWLVSVINSSICADTDSWTTFIGLLDVYGFESFPDN SLEQLCINYANEKLQLEACGLVETIHISAAGFPIRVSHRNFVERYKLLRRLHPCT SSGPDSPYPAKGLPEWCPHSEEATLEPLIQDILHTLPVLTQAAAITGDSAEAMP APMHCGRTKVFMTDSMLELLECGRARVLEQCARCIQGGWRRHRHREQERQ WRVAMLIQAAIRSWLTRKHIQRLHAAATVIKRAWQKWRIRMACLAAKELDGVE EKHFSQAPCSLSTSPQLQTRLLEAIIRLWPLGLVLANTAMGVGSFQRKLVVWAC LQLPRGSPSSYTVQTAQDQAGVTSIRALPQGSIKFHCRKSPLRYADICPEPSPY SITGFNQILLERHRLIHVTSSAFTGLG
Research Area	Signal Transduction
Source	E.coli
Target Names	MYO19
Expression Region	2-770aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged

**Mol. Weight**

102.6kDa

Protein Length

Full Length of Mature Protein

Image

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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.