

## Recombinant Human MYO18A protein, His-tagged

**Cat. No.** MYO18A-3913H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MYO18A protein(1601-2002 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1601-2002 aa                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                                                                                                                               |
| <b>AA Sequence</b>      | TLSDQVNRDFESEKRLRKDLKRTKALLADAQLMLDHLKNSAPSKREIAQLKNQLEE<br>SEFTCAA AVKARKAMEVEIEDLHLQIDDIKAKTALEEQLSRLQREKNEIQNRLEEDQ<br>EDMNELMKKHKA AVAQASRDLAQINDLQAQLEEANKEKQELQEKLQALQSQVEFLE<br>QSMVDKSLVSRQEAKIRELETRLEFERTQVKRLESLSARLKENMEKLTEERDQRIAA<br>ENREKEQNKRLQRQLRDTKEEMGELARKEAEASRKKHELEMDLESLEAANQSLQA<br>DLKLAFKRIGDLQAAIEDEMESDENEDLINSEGDSDVDSELEDRVDGVKSWLSKNKG<br>PSKAASDDGSLKSSSPTS YWKS LAPDRSDDEHDPLDNTSRPRYSHSYLSDS DTEAK<br>LTETNA |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).                                                                                                                                                                                                                                                                                                                                                                                               |

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.  
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name**

MYO18A myosin XVIIIa [ Homo sapiens ]

**Official Symbol**

MYO18A

**Synonyms**

MYO18A; myosin XVIIIa; unconventional myosin-XVIIIa; KIAA0216; MysPDZ; MAJN; myosin 18A; myosin-XVIIIa; myosin containing PDZ domain; myosin containing a PDZ domain; SP-A receptor subunit SP-R210 alphaS; molecule associated with JAK3 N-terminus; MYSPDZ; SPR210; DKFZp686L0243;

**Gene ID**

399687

**mRNA Refseq**

NM\_078471

**Protein Refseq**

NP\_510880

**MIM**

610067

**UniProt ID**

Q92614

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