

Recombinant Human MYO18A, His-tagged

Cat. No. MYO18A-29759TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1628-2039 of Human MYO18A with an N terminal His tag. Predicted mwt: 48 kDa;
Species	Human
Source	E.coli
ProteinLength	1628-2039 a.a.
Description	Myo18A/Myosin XVIII A is an unconventional myosin that contains a lysine and glutamine (KE) rich domain and a PDZ domain. The KE and PDZ domains appear to direct subcellular localization of the Myo18A variants. It is a dimeric actin binding protein that may play a role in the stabilization and organization of the actin cytoskeleton. Recently a cell surface form of Myo18A has been identified as the receptor for surfactant protein A, a lipid associated lung collectin that mediates innate and adaptive immune responses in the lungs.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 140 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

EKRELEGKLATLSDQVNRDFESEKRLRKDLKRTKALLAD AQLMLDHLKNSAPSKR
 EIAQLKNQLEESEFTCAA AVKA RKAMEVEIEDLHLQIDDIKAKTALEEQLSRLQREK
 NEIQNRLEEDQEDMNELMKKHKA AVAQASRDLAQINDLQAQL EEANKEKQELQEKL
 QALQSQVEFLEQSMVDKSLVSRQE AKIRELETRLEFERTQVKRLESLASRLKENME
 KLTEERDQ RIAAENREKEQNKRLQRQLRDTKEEMGELARKEAEASR KKHELEMDL
 ESLEAANQSLQADLKLAFKRIGDLQAAIE DEMESDENEDLINSEGSDVDSELEDRV
 DGVKSWLSKNKG PSKAASDDGSLKSSSPTS YWKS LAPDRSDDEHDPLDNT SRPR
 YSHSYLSDSDTEAKLTETNA

GENE INFORMATION

Gene Name	MYO18A myosin XVIIIa [Homo sapiens]
Official Symbol	MYO18A
Synonyms	MYO18A; myosin XVIIIa; myosin-XVIIIa; KIAA0216; MysPDZ;
Gene ID	399687
mRNA Refseq	NM_078471
Protein Refseq	NP_510880
MIM	610067
Uniprot ID	Q92614
Chromosome Location	17q11.2
Function	ATP binding; DNA binding; DNA-dependent ATPase activity; motor activity;

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nucleotide binding;

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