

Recombinant Full Length Human EML1 Protein

Cat. No. EML1-148HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human EML1 with N terminal proprietary tag; Predicted MW 115.76 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	815 amino acids
Description	Human echinoderm microtubule-associated protein-like is a strong candidate for the Usher syndrome type 1A gene. Usher syndromes (USHs) are a group of genetic disorders consisting of congenital deafness, retinitis pigmentosa, and vestibular dysfunction of variable onset and severity depending on the genetic type. The disease process in USHs involves the entire brain and is not limited to the posterior fossa or auditory and visual systems. The USHs are catagorized as type I (USH1A, USH1B, USH1C, USH1D, USH1E and USH1F), type II (USH2A and USH2B) and type III (USH3). The type I is the most severe form. Gene loci responsible for these three types are all mapped. Two transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Molecular Mass	115.760kDa inclusive of tags
AA Sequence	MEDGFSSYSSLYDTSSLLQFCNDDSASAASSMEVTDRIAS LEQRVQMQEDDIQLLK

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SALADVRRRLNITEEQQAVLNRKG PTKARPLMQTLPLRTTVNNGTVLPKKPTGSLPS
 PSGVRKE TAVPATKSNIKRTSSSERVSPGGRRESNGDSRGNRNRTGS TSSSSSG
 KKNSESKPKEPVFSAEEGYVKMFLRGRPVTMYM PKDQVDSYSLEAKVELPTKRLKL
 EWVYGYRGRDCRNNLYL LPTGETVYFIASVVVLYNVEEQQLQRHYAGHNDDVKCLA
 VH PDRITIATGQVAGTSKDGKQLPPHVRIWDSVTLNTHLVIG IGFFDRAVTCIAFSKS
 NGGTNLCAVDDSNHVLVSWDWQK EEKLADVKSNEAVFAADFHPTDTNIIIVTCG
 KSHLYFWTL EGSSLNKKQGLFEKQEKPKEFVLCVTFSENGDTITGDSSGN ILVWGKG
 TNRISYAVQGAHEGGIFALCMLRDGTLVSGGGK DRKLISWSGNYQKLRKTEIPEQF
 GPIRTVAEGKGDVILIG TTRNFVLQGTLSGDFTPITQGHTDELWGLAINASKSQFLT C
 GHDKHATLWDAVGHRPVWDKIIEDPAQSSGFHPSGSVVA VGTLTGRWVFDGTGK
 DLVTVHTDGNEQLSVMRYSPDGNF LAIGSHDNCIYIGVSDNGRKYTRVGKCSGHS
 SFITHLDW SVNSQFLVSNSGDYEILYWVPSACKQVVSVETTRDIEWAT YTCTLGFH
 VFGVWPEGSDGTDINAVCRAHEKKLLSTGDDF GKVHLFSYPCSQFRAPSHIYGGH
 SSHVTNVDFLCEDSHLI STGGKDTSIMQWRVI

Purity

Proprietary Purification

Storage

Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer

pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name

EML1 echinoderm microtubule associated protein like 1 [Homo sapiens]

Official Symbol

EML1

Synonyms

EML1; echinoderm microtubule associated protein like 1; EMAPL; echinoderm microtubule-associated protein-like 1; ELP79; EMAP; HuEMAP

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Gene ID	2009
mRNA Refseq	NM_001008707
Protein Refseq	NP_001008707
MIM	602033
UniProt ID	O00423

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