

Recombinant Human EML1

Cat. No. EML1-28291TH **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	Wheat Germ
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.
Molecular Weight	115.760kDa inclusive of tags
Tissue specificity	Ubiquitous; expressed in most tissues with the exception of thymus and peripheral blood lymphocytes.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MEDGFSSYSSLYDTSSLLQFCNDDSSASAASSMEVTDRIAS LEQRVQMQUEDDIQLLK SALADVVRRLNITEEQQAVLNRRKG PTKARPLMQTLPLRRTTVNNGTVLPKKPTGSLPS PSGVRKE TAVPATKSNIKRTSSSERVSPGGRRESNGDSRGNRNRTGS TSSSSSG KKNSESKPKEPVFSAEEGYVKMFLRGRPVMTMYM PKDQVDSYSLEAKVELPTKRLKL EWVYGYRGRDCRNLYL LPTGETVYFIASVVVLYNVEEQLQRHYAGHNDDVKCLA VH PDRITIATGQVAGTSKDGKQLPPHVRWDSVTLNLTLVIG IGFFDRAVTCIAFSKS NGGTNLCAVDDSNHVLVSWDWQK EEKLADVKCSNEAVFAADFHTDTNIIIVTCG KSHLYFWTL EGSSLNKKQGLFEKQEKPKFVLCVTFSENGDTITGDSSGN ILVWGKG TNRISYAVQGAHEGGIFALCMLRDGTLVSGGGK DRKLISWSGNYQKLRKTEIPEQF GPIRTVAEGKGDVILIG TTRNFVLQGTLSGDFTPITQGHTDELWGLAINASKSQFLT C GHDKHATLWDAVGHRPVWDKIIEDPAQSSGFHPSGSVVA VGTLTGRWFVFDGTGK DLVTVHTDGNEQLSVMRYSPDGNF LAIGSHDNCIYIYGVSNDNGRKYTRVGKCSGHS SFITHLDW SVNSQFLVSNSGDYEILYWVPSACKQVVSVETTRDIEWAT YTCTLGFH VFGVWPEGSDGTDINAVCRAHEKKLLSTGDDF GKVHLFSYPCSQFRAPSHIYGGH SSHVTNVDFLCEDSHLI STGGKDTSIMQWRVI
Sequence Similarities	Belongs to the WD repeat EMAP family.Contains 10 WD repeats.
GENE INFORMATION	
Gene Name	EML1 echinoderm microtubule associated protein like 1 [Homo sapiens]

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Official Symbol	EML1
Synonyms	EML1; echinoderm microtubule associated protein like 1; EMAPL; echinoderm microtubule-associated protein-like 1; ELP79; EMAP; HuEMAP;
Gene ID	2009
mRNA Refseq	NM_001008707
Protein Refseq	NP_001008707
MIM	602033
Uniprot ID	O00423
Chromosome Location	14q32
Function	calcium ion binding; protein binding;

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