

Recombinant Full Length Human EML1 Protein, GST-tagged

Cat. No. EML1-4244HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EML1 full-length ORF (AAH33043.1, 1 a.a. - 815 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq, Jul 2008]
Molecular Mass	115.39 kDa
AA Sequence	MEDGFSSYSSLYDTSSLLQFCNDDASASAASSMEVTDRIASLEQRVQMQEDDIQLLK SALADVVRRLNITEEQQAVLNRKGPTKARPLMQTLPLRTTVNNGTVLPKKPTGSLPS PSGVRKETAVPATKSNIKRTSSSERVSPGGRRESNGDSRGNRNRTGSTSSSSSGK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KNSESKPKEPVFSAEEGYVKMFLRGRPVTMYMPKDQVDSYSLEAKVELPTKRLKLE
 WYGYRGRDCRNNLYLLPTGETVYFIASVVVLYNVEEQLQRHYAGHNDDVKCLAVH
 PDRITIATGQVAGTSKDGKQLPPHVRIWDSVTLNTHVIGIGFFDRAVTCIAFSKSNG
 GTNLCAVDDSDNHVLSVWDWQKEEKLADVKCSNEAVFAADFHTPTDNIIVTCGKSH
 LYFWTLEGSSLNKKQGLFEKQEKPKFVLCVTFSENGDTITGDSSGNILVWGKGTNRI
 SYAVQGAHEGGIFALCMLRDGTLVSGGGKDRKLISWSGNYQKLKTEIPEQFGPIRT
 VAEGKGDVILIGTTRNFVLQGTLSGDFTPITQGHTDELWGLAINASKSQFLTCGHDKH
 ATLWDAVGHRPVWDKIIEDPAQSSGFHPSGSSVAVGTLTGRWFVFDGTGKDLVTVH
 TDGNEQLSVMRYSPDGNFLAIGSHDNCIYIYGVSDNGRKYTRVGKCSGHSSFITHLD
 WSVNSQFLVSNSGDYEILYWVPSACKQVSVETTRDIEWATYTCTLGPHVFGVWPE
 GSDGTDINAVCRAHEKKLLSTGDDFGKVHLFSYPCSQFRAPSHIYGGHSSHVTNVD
 FLCEDSHLISTGGKDTSIMQWRVI

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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microtubule-associated protein-like 1; ELP79; EMAP; HuEMAP; EMAP-1; huEMAP-1;
FLJ45033;

Gene ID

2009

mRNA Refseq

NM_001008707

Protein Refseq

NP_001008707

MIM

602033

UniProt ID

O00423

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