

Product datasheet for TP314653

EML4 (NM_019063) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens echinoderm microtubule associated protein like 4 (EML4), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214653 representing NM_019063 Red=Cloning site Green=Tags(s)

MDGFAGSLDDISAASTSDVQDRLSALESRVQQEDEITVLKAALADVLRRLAISEDHVASVKKSVSSKG
QPSRAVIPMSCITNGSGANRKPSTSAVSIAGKETLSSAAKSGTEKKKEKPQQREKKEESHNSNDQSPQ
IRASPPQPSSQPLQIHRQTPESKNATPTKSIKRPSPAESHNSWENSDDSRNLSKIPSTPKLIPKVTK
TADKHKDVIINQEGEYIKMFMGRPITMFIKPSDSDVNYDDIRTELPPEKLEWAYGYRGKDCRANVYLLP
TGEIVYFIASVWVLFNYEERTQRHYLGHTDCVKCLAIHPDKIRIATGQIAGVDKGRPLQPHVRVWDSVT
LSTLQIIGLGTFFERGVGCLDFSKADSGVHLCVIDDSNEHMLTVWDWQKKAKGAEIKTTNEVLAVEFHPT
DANTIITCGKSHIFFWTWGSNSLTRKQGFQYKPKFVQCLAFNGDVLTDGSDGGVMLIWSKTTVEPT
PGKGPQGVYQISKQIKAHDGVSFTLCQMRNGMLLTGGGKDRKILWDHDLNPEREIEVPDQYGTIRAVAE
GKADQFLVGTSRNFILRGTFNDGFQIEVQGHTEDELWGLATHPFKDLLLTCADRQVCLWNSMEHRLEWTR
LVDEPGHCADFHPSTVVAIGTHSGRWFVLD AETRDLVSIHTDGNELQSVSRYSIDGTFLAVGSHDNFIY
LYVSENGRKYRGRCTGHSSYITHLDWSPDNKYIMNSGDIYELWDPNGCKLIRNRSDCKDIDWTT
YTCVLGFQVFGVWPEGSDGTDINALVRSHNRKVIADDFCKVHLFQYPCSKAKAPSHKYSAHSSHTVNV
SFTHNDSHLISTGGKMSIIQWKLVEKLSLPQNETVADTTLTAPVSSSTESVIQSNTPTPPPSQPLNETA
EEESRISSPTLLENSLEQTVPESEDHSEEESEEGSGDLGEPYEEPCNEISKEQAKATLLEDQQDPSPS
S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	108.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_061936
Locus ID:	27436
UniProt ID:	Q9HC35
RefSeq Size:	5539
Cytogenetics:	2p21
RefSeq ORF:	2943
Synonyms:	C2orf2; ELP120; EMAP-4; EMAPL4; ROPP120
Summary:	This gene is a member of the echinoderm microtubule associated protein-like family. The encoded WD-repeat protein may be involved in microtubule formation. Abnormal fusion of parts of this gene with portions of the anaplastic lymphoma receptor tyrosine kinase gene, which generates EML4-ALK fusion transcripts, is one of the primary mutations associated with non-small cell lung cancer. Alternative splicing of this gene results in two transcript variants. [provided by RefSeq, Jan 2015]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified EML4 protein (Cat# TP314653). The protein was produced from HEK293T cells transfected with EML4 cDNA clone (Cat# [RC214653]) using MegaTran 2.0 (Cat# [TT210002]).