

## Product datasheet for PH314653

### EML4 (NM\_019063) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	EML4 MS Standard C13 and N15-labeled recombinant protein (NP_061936)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214653
Predicted MW:	108.7 kDa
Protein Sequence:	>RC214653 representing NM_019063 Red=Cloning site Green=Tags(s)

MDGFAGSLDDSI SAASTDVQDRLSALESRVQQEDEITVLKAALADVLRR LAISEDHVASVKKSVSSKG  
QPSRAVIPMSCITNGSGANRKP SHTSAVSIAGKETLSSAAKSGTEKKKEKPQQQREKKEESHSDQSPQ  
IRASPSQPSSQPLQIHRQTPESKNATPTKSIKRPSPA EKSHNSWENSDDSRNKL SKIPSTPKLIPKVTK  
TADKHKDVIINQEGEYIKMFMGRPITMFI PSDVDNYDDIRTEL PPEKLEWAYGYRGKDCRANVYLLP  
TGEIVYF IASVVVLFNYEERTQRHYLGHTDCVKCLAIHPDKIRIATGQIAGVDKGRPLQPHVRVWDSVT  
LSTLQI IGLGTFERGVGCLDFSKADSGVHLCVIDDSNEHMLTVWDWQKKAKGAEIKTTNEVVLAVEFHPT  
DANTIITCGKSHIFFWTWSGNSLTRKQGIFGKYEKPKFVQCL AFLGNGDVL TGDSGGVMLIWSKTTVEPT  
PGKGPKVYQISKQIKAHDGVSFTLCQMRNGMLL TGGGKDRKIILWDHDLNPEREIEVPDQYGTIRAVAE  
GKADQFLVGT SRNFILRGTFNDGFQIEVQGH TDELWGLATHPFKDLLL TCAQDRQVCLWNSMEHRLEWTR  
LVDEPGHCADFHPSGTVVAIGTHSGRWFV LDAETRD LVSITHDGNEL SVMRYSIDGTF LAVGSHDNFIY  
LYVVENGRKYSRYGRCTGHSSYITHLDWSPDNKYIMSN SGDYEILYWDIPNGCKLIRNRSDCKIDWTT  
YTCVLGFGVQVGVWPEGSDGTDINALVRSHNRKVI AVADDFCKVHLFQYPCSKAKAPSHKYS AHSSHVNTV  
SFTHNDSHL ISTGGKMSIIQWKLVEKLSLPQNETVADTTLTKAPVSSTESVIQSNTPTPPPSQPLNETA  
EEESRISSPTLLENSLEQTVEPSEDHSEEESEEGSGDLGEPLYEPCNEISKEQAKATLLEDQQDPSPS  
S

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



[View online »](#)

Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_061936</a>
RefSeq Size:	5539
RefSeq ORF:	2943
Synonyms:	C2orf2; ELP120; EMAP-4; EMAPL4; ROPP120
Locus ID:	27436
UniProt ID:	<a href="#">Q9HC35</a>
Cytogenetics:	2p21
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]).