

Recombinant Human EML4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EML4-1684H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EML4 MS Standard C13 and N15-labeled recombinant protein (NP_061936) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	108.7 kDa
AA Sequence	MDGFAGSLDDISAASTSDVQDRLSALESRVQQQEDEITVLKAALADVLRLAISED HVASVKKSVSSKGQPSRAVIPMSCITNGSGANRKPSHTSAVSIAGKETLSSAAKSG TEKKKEKPQGQREKKEESHSDQSPQIRASPSQPSSQPLQIHRQTPESKNATPTK SIKRPSPAEKSHNSWENSDDSRNKLSKIPSTPKLIPKVTKTADKHKDVIIINQEGEYIKM FMRGRPITMFIPSDVDNYDDIRTELPPEKLEWAYGYRGKDCRANVYLLPTGEIVYF IASVVVLFNVEERTQRHYLGHTDCVKCLAIHPDKIRIATGQIAGVDKDGRLQPHVRV WDSVTLSTLQIIGLGTFERGVGCLDFSKADSGVHLCVIDDSNEHMLTVWDWQKKAK

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GAEIKTTNEVVLAVEFHPTDANTIITCGKSHIFFWTWSGNSLTRKQGIFGKYEKPKFV
 QCLAFLGNGDVLTDGSGGVMLIWSKTTVEPTPGKGPKGVYQISKQIKAHDGVSFVL
 CQMRNGMLLTGGGKDRKILWDHDLNPEREIEVPDQYGTIRAVAEGKADQFLVGTS
 RNFILRGTFNDGFQIEVQGHTDELWGLATHPFKDLLLTCAQDRQVCLWNSMEHRL
 WTRLVDEPGHCADFHPSGTVVAIGTHSGRWFLDAETRDLSIHTDGNEQLSVMRY
 SIDGTFLAVGSHDNFIYLYVVSSENGRKYSRYGRCTGHSSYITHLDWSPDNKYIMSNS
 GDYEILYWDIPNGCKLIRNRSDCKDIDWTTYTCVLGFQVFGVWPEGS DGT DINALVR
 SHNRKVIAVADDFCKVHLFQYPCSKAKAPSHKYSAHSSHTNVSFTHNDSHLISTGG
 KDMSIIQWKLVEKLSLPQNETVADTTLTAKPVSSSTESVIQSNTPTPPPSQPLNETAEE
 ESRISSTPTLLENSLEQTVEPSEDHSEEESEEGSGDLGEPLYEPCNEISKEQAKATL
 LEDQQDPSPSSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name EML4 echinoderm microtubule associated protein like 4 [Homo sapiens (human)]

Official Symbol EML4

Synonyms EML4; echinoderm microtubule associated protein like 4; C2orf2; echinoderm microtubule-associated protein-like 4; ELP120; ROPP120; ropp 120; restrictedly

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overexpressed proliferation-associated protein; EMAP-4; EMAPL4; FLJ10942;
FLJ32318; DKFZp686P18118;

Gene ID 27436

mRNA Refseq NM_019063

Protein Refseq NP_061936

MIM 607442

UniProt ID Q9HC35

SDS-PAGE



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