

Recombinant Human MAEA, His-tagged

Cat. No. MAEA-15895H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MAEA protein, fused to His tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-396aa
Description	Macrophage erythroblast attacher isoform 1, also known as MAEA, is a 396 amino acid ubiquitously expressed adhesion protein. Expressed as 5 alternatively spliced isoforms, MAEA contains one CTLH domain and one LisH domain. MAEA can form a complex with F-actin, which is involved regulating actin distribution in erythroblasts and macrophages. Considered to assist with cell division and nuclear architecture, MAEA is localized with condensed chromatin at prophase, nuclear spindle poles at metaphase and in the contractile ring during telophase and cytokinesis.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol
Molecular Mass	47.7 kDa (419aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVQESA AQLSMTLKVQ EYPTLKVPE TLNKRFRAAQ KNIDRETSV TMVVAELEKT LSGCPAVDSV VSLDGVVEK LSVLKRKAVE SIQAEDSAK LCKRRIEHLK EHSSDQPAAA SVWKRKRMDR MMVEHLLRCG YYNTAVKLAR QSGIEDLVNI EMFLTAKEVE ESLERRETAT

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CLAWCHDNKS RLRKMKSCLE FSLRIQEFIE LIRQNKRLDA VRHARKHFSQ
 AEGSQLDEV R QAMGMLAFPP DTHISPYKDL LDPARWRMLI QQFRYDNYRL
 HQLGNNSVFT LTLQAGLSAI KTPQCYKEDG SSKSPDCPVC SRSLNKLAQP
 LPMahCANSR LVCKISGDVM NENNPPMMLP NGYVYGYNSL LSIRQDDKV
 CPRTKEVFHF SQAekVYIM

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [MAEA macrophage erythroblast attacher \[Homo sapiens \]](#)

Official Symbol MAEA

Synonyms MAEA; macrophage erythroblast attacher; EMP; proliferation-inducing gene 5; lung cancer-related protein 10; erythroblast macrophage protein; human lung cancer oncogene 10 protein; cell proliferation-inducing gene 5 protein; EMLP; PIG5; HLC-10;

Gene ID [10296](#)

mRNA Refseq [NM_001017405](#)

Protein Refseq [NP_001017405](#)

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MIM	606801
UniProt ID	Q7L5Y9
Chromosome Location	4p16.3
Function	actin binding;

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