

**MAEA, 1-396aa, Human, His tag, E.coli**

**Cat.NO.: TP02875**

3th Edition

**Synonyms:**Macrophage erythroblast attacher isoform 1, EMLP, EMP, GID9, HLC-10, PIG5

**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. Recombinant human MAEA protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol

**Molecular Weight:**47.7 kDa (419aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMVAQESAAQLSMTLKVQEYPTLKVPYETLNKRFRAAQKNIDRETSHVTMVV  
AELEKTLSGCPAVDSVVSLLDGVVEKLSVLKRKAVESIQAEDESACLCKRRIEHLKEHSSDQPAAASVWKRKRMDR  
MMVEHLLRCGYNTAVKLARQSGIEDLVNIEMFLTAKEVEESLERRETATCLAWCHDNKSRLRKMKSCLEFSLRIQ  
EFIELIRQNKRLDAVRHARKHFSQAEGSQLDEVQRQAMGMLAFPPDTHISPYKDLLDPARWRMLIQQFRYDNYRLHQ  
LGNNSVFTLTLQAGLSAIKTPQCYKEDGSSKSPDCPVCSRSLNKLAQPLPMAHCANSRLVCKISGDVMNENPPM  
MLPNGYVYGYNSLLSIRQDDKVVCPRTKEVFHFSQAEEKVYIM

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.