

Recombinant human EMP/MAEA protein

Catalog Number: ATGP2251

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-396aa

UniProt No.

Q7L5Y9

NCBI Accession No.

NP_001017405

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

47.7 kDa (419aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant human EMP/MAEA protein

Catalog Number: ATGP2251

E. coli.

Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSMVQESA AQLSMTLKVQ EYPTLKVPE TLNKRFRAAQ KNIDRETSV TMVVAELEKT
LSGCPAVDSV VSLLDGVVEK LSVLKRKAVE SIQAEDESAK LCKRRIEHLK EHSSDQAAA SVWKRKMDR MMVEHLLRCG
YYNTAVKLAR QSGIEDLVNI EMFLTAKEVE ESLERRETAT CLAWCHDNKS RLRKMKSCLE FSLRIQEFIE LIRQNKRLDA
VRHARKHFSQ AEGSQLDEV R QAMGMLAFPP DTHISPYKDL LDPARWRMLI QQFRYDNYRL HQLGNNSVFT LTLQAGLSAI
KTPQCYKEDG SSKSPDCPVC SRSLNKLAQP LPMAHCANSR LVCKISGDVM NENPPMMLP NGYVYGYNSL LSIRQDDKVV
CPRTKEVFHF SQAEEKYIM

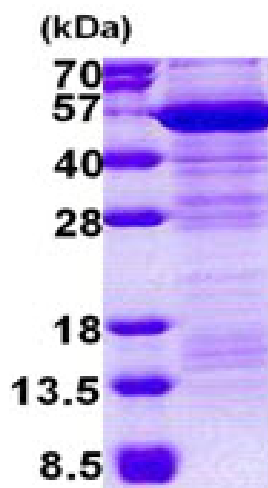
General References

Soni S., et al. (2006) J Biol Chem. 281:20181-20189.

Bala S., et al. (2006) Biochem Biophys Res Commun. 342:1040-1048.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)