
Product Data Sheet

Product Name: MAEA Human
 Cat. No.: GP23861
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Macrophage Erythroblast Attacher; GID Complex Subunit 9 FYV10 Homolog; Lung Cancer-Related Protein 10; Proliferation-Inducing Gene 5; Human Lung Cancer Oncogene 10 Protein; Cell Proliferation-Inducing Gene 5 Protein; Erythroblast Macrophage Protein; FYV10 Homolog (S. Cerevisiae); GID Complex Subunit 9; EMLP; GID9; PIG5; HLC-10; EMP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMVQESA AQLSMTLKVQ EYPTLKVPYE TLNKRFRAAQ KNIDRETSV TMVVAELEKT LSGCPAVDSV VSLLDGVVEK LSVLKRKAVE SIQAEDESAK LCKRRIEHLK EHSSDQAAA SVWKRKRMDR MMVEHLLRCG YYNTAVKLAR QSGIEDLVNI EMFLTAKVEE ESLERRETAT CLAWCHDNKS RLRKMKSCLE FSLRIQEFIE LIRQNKRLDA VRHARKHFSQ AEGSQLDEV R QAMGMLAFPP DTHISPYKDL LDPARWRMLI QQFRYDNYRL HQLGNNSVFT LTLQAGLSAI KTPQCYKEDG SSKSPDCPVC SRSLNKLAQP LPMAHCANSR LVCKISGDVM NENPPMMLP NGYVYGYNSL LSIRQDDKVV CPRTKEVFHF SQAEKVYIM		
Formulation	The MAEA solution contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 10% glycerol.		

Introduction

MAEA is a 396aa widely expressed adhesion protein which has 5 alternatively spliced isoforms. MAEA holds one CTLH domain and one LisH domain. MAEA forms a complex with F-actin, which takes part in regulating actin distribution in erythroblasts and macrophages and is known to assist in cell division and nuclear architecture. MAEA is confined with condensed chromatin at prophase, nuclear spindle poles at metaphase and in the contractile ring throughout cytokinesis phase and telophase.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Store at 4°C if entire vial will be used within 2-4 weeks.

Background

MAEA Human Recombinant (isoform 1) produced in E.coli is a single, non-glycosylated polypeptide chain containing 419 amino acids (1-396) and having a molecular mass of 47.7kDa.

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