

Recombinant human GULP1/CED-6 protein

Catalog Number: ATGP2009

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-304aa

UniProt No.

Q9UBP9

NCBI Accession No.

NP_057399

Alternative Names

PTB domain-containing engulfment adapter protein 1, CED-6, GuLP

PRODUCT SPECIFICATION

Molecular Weight

36.9 kDa (327aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 2mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

PTB domain-containing engulfment adapter protein 1, also known as GuLP1, is an evolutionarily conserved adaptor protein required for efficient engulfment of apoptotic cells by phagocytes. GuLP1 also helps modulate cellular glycosphingolipid and cholesterol transport. It also may play a role in the internalization and endosomal trafficking of various LRP1 ligands, such as PSAP. Increased cytoplasmic levels of GuLP1 are associated with increases in cellular levels of GTP-bound ARF6. Recombinant human GuLP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMNRAFSR KKDKTWMHTP EALSKHFIPY NAKFLGSTEV EQPKGTEVVR DAVRKLK FAR
HIKKSEGQKI PKVELQISYIY GVKILEP KTK EVQHNCQLHR ISFCADDKTD KRIFTFICKD SESNKHLCYV FDSEKCAEEI
TLTIGQAFDL AYRKFLESGG KDVETRQIA GLQKRIQDLE TENMELKNKV QDLENQLRIT QVSAPPAGSM TPKSPSTDIF
DMIPFSPISH QSSMPTRNGT QPPPVPSRST EIKRDLFGAE PFDPFNCGAA DFPPDIQSKL DEMQEGFKMG LTLEGTVFCL
DPLDSRC

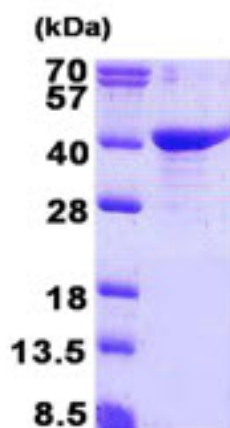
General References

Smits E., et al. (2000) *Curr Biol.* 9:1351-1354

Su H P., et al. (2000) *J Biol Chem.* 275: 9542-9549.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)