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AR50833PU-S Human GULP1 / CED6 (1-304, His-tag) - Purified

Alternate names: CED-6, Cell death protein 6 homolog, PTB domain adapter protein CED-6, PTB domain-containing engulfment adapter protein 1

Quantity: 0.1 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q9UBP9

NCBI: NP_057399

GeneID: 51454

Species: Human

Source: E. coli

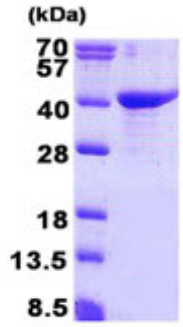
Format:
State: Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 2mM DTT

Description: Recombinant human GULP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMNRAFSR KKDKTWMHTP EALSKHFIPY NAKFLGSTEV
EQPKGTEVVR DAVRKLKFAR HIKKSEGQKI PKVELQISIY GVKILEPKTK EVQHNCQLHR
ISFCADDKTD KRIFTFICKD SESNKHLCYV FDSEKCAEEI TLTIGQAFDL AYRKFLESGG
KDVETRKQIA GLQKRIQDLE TENMELKNKV QDLENQLRIT QVSAPPAGSM TPKSPSTDIF
DMIPFSPISH QSSMPTRNGT QPPPVPSRST EIKRDLFGAE PFDPFNCGAA DFPPDIQSKL
DEMQEGFKMG LTLEGTVFCL DPLDSRC
Molecular weight: 36.9 kDa (327aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Smits E., et al. (2000) Curr Biol. 9:1351-1354Su H P., et al. (2000) J Biol Chem. 275: 9542-9549.

Pictures:



15% SDS-PAGE (3ug)