

GULP1, 1-304aa, Human, His tag, E.coli

Cat.NO.: TP02377

3th Edition

Synonyms:PTB domain-containing engulfment adapter protein 1 , CED-6, CED6, GULP

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.

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

Molecular Weight:36.9kDa (327aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMNRAFSRKKDKTWMHTPEALSKHFIPYNAKFLGSTEVEQPKGTEVVRDAVR
KLKFARHIKKSEGQKIPKVELQISYGVKILEPKTKEVQHNCQLHRISFCADDKTDKRIFTFICKDSESNKHLCYVFDSE
KCAEEITLTIGQAFDLAYRKFLFESGGKDVETRKQIAGLQKRIQDLETENMELKNKVQDLENQLRITQVSAPPAGSMT
PKSPSTDIFDMIPFSPISHQSSMPTRNGTQPPPVPSRSTEIKRDLFGAEPFDPFNCGAADFPPDIQSKLDEMQUEGFK
MGLTLEGTVFCLDPLDSRC

Purity:> 95% by HPLC

Concentration:0.5 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.