

Product datasheet for **TP308056**

RABEP1 (NM_004703) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human rabaptin, RAB GTPase binding effector protein 1 (RABEP1), transcript variant 1, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC208056 representing NM_004703
Red=Cloning site **Green**=Tags(s)

MAQPGPASQPDVSLQQRVAELEKINAEFLRAQQQLEQEFNQKRAKFKELYLAKEEDLKRQNAVLQAAQDD
LGHLRTQLWEAQAEMENIKAIATVSENTKQEAIDEVQRQWREEVASLQAVMKETVRDYEHQFHLRLEQER
TQWAQYRESAEREIADLRRRLSEGQEEENLENEMKKAQEDAELRSVMPMEKEIAALKDKLTEAEDKIK
ELEASKVKELNHYLEAEKSCRTDLEMVAVLNTQKSVLQEDAELRKEHEVCHLLEQERQQHNLKHTW
QKANDQFLESQRLLMRDMQRMEIVLTSEQLRQVEELKKKQEDDEQQRLNKRKDHKKADVVEEIKIPVVC
ALTQEESQAQLSNEEEHLDSTRGSVHSLDAGLLLPSGDPFSKSDNDMFKDGLRRAQSTDSLGTSGSLQSK
ALGNYNKAKSAGNLDESDFGLVGDVSENFDTASLGLSQMPSGFMLTKDQERAIKAMTPEQEETASLL
SSVTQGMESAYVSPSGYRLVSETWNLQKEVHNAGNKLGRRCMDMSNYEKQLGQIQEAETRDQVKKL
QLMLRQANDQLEKTMKDKQELEDFIKQSSSEDSSHQISALVLRQAASEILLELQQGLSQAQRDVQEQMAV
LMQSREQVSEELVRLQKDNDSLQGKHSLSLHVSLQAEDFILPDTTEALRELVLKYREDIINVRTAADHVEE
KLKAEILFLKEQIQAEQCLKENLEETLQLEIENCKEEIASISLKAELERIKVEKQGLESTLREKSQQLE
SLQEIKISLEEQLKKETAAKATVEQLMFEEKNKAQRLQTELDVSEVQVRDFVKLSQTLQVQLERIRQADS
LERIRAILNDTKLTDINQLPET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 99.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

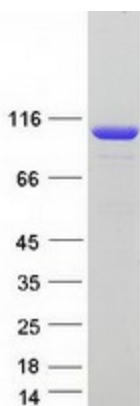
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004694
Locus ID:	9135
UniProt ID:	Q15276
RefSeq Size:	5394
Cytogenetics:	17p13.2
RefSeq ORF:	2586
Synonyms:	RAB5EP; RABPT5
Summary:	Rab effector protein acting as linker between gamma-adaptin, RAB4A and RAB5A. Involved in endocytic membrane fusion and membrane trafficking of recycling endosomes. Involved in KCNH1 channels trafficking to and from the cell membrane (PubMed:22841712). Stimulates RABGEF1 mediated nucleotide exchange on RAB5A. Mediates the traffic of PKD1:PKD2 complex from the endoplasmic reticulum through the Golgi to the cilium (By similarity). [UniProtKB/Swiss-Prot Function]
Protein Pathways:	Endocytosis

Product images:



Coomassie blue staining of purified RABEP1 protein (Cat# TP308056). The protein was produced from HEK293T cells transfected with RABEP1 cDNA clone (Cat# [RC208056]) using MegaTran 2.0 (Cat# [TT210002]).