

Product datasheet for **TP304426**

Rabex5 (RABGEF1) (NM_014504) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RAB guanine nucleotide exchange factor (GEF) 1 (RABGEF1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204426 protein sequence Red =Cloning site Green =Tags(s)

MSLKSERRGIVHDQSDLLCKKGCYYGNPAWQGFCSKCVREEYHKARQKQIQEDWELAERLQREEEAFA
SSQSSQGAQSLTFSKFEEKKTNEKTRKVTTVKKFFSASSRVGSKKEIQEAKAPSPSINRQTSIETDRVSK
EFIEFLKTFHKTGQEIYKQTKLFLEGMHYKRDLSIEEQSECAQDFYHNVAERMQTRGKVPPEVEKIMDQ
IEKYIMTRLYKYVFCPETTDDEKDLAIQKRIRALRWVTPQMLCVPVNEPIEVSMDMVVKAITDIIEMDS
KRVPRDKLACITKCSKHIFNAIKITKNEPASADDFLPTLIYIVLKGNNPRLQSNIQYITRFCNPSRLMTG
EDGYYFTNLCCAVAFIEKLDASLNLSDQEDFDRYMSGQTSRQKQEAESWSPDACLGVKQMYKNLDDLSQL
NERQERIMNEAKKLEKDLIDWTDGIAREVQDIVEKYPLEIKPPNQPLAIDSENVENDKLPPPLQPQVYA
G

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	56.7 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.
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.



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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_055319
Locus ID:	27342
UniProt ID:	Q9UJ41
RefSeq Size:	3832
Cytogenetics:	7q11.21
RefSeq ORF:	1473
Synonyms:	rabex-5; RABEX5; RAP1
Summary:	RABGEF1 forms a complex with rabaptin-5 (RABPT5; MIM 603616) that is required for endocytic membrane fusion, and it serves as a specific guanine nucleotide exchange factor (GEF) for RAB5 (RAB5A; MIM 179512) (Horiuchi et al., 1997 [PubMed 9323142]).[supplied by OMIM, Mar 2010]

Product images:



Coomassie blue staining of purified RABGEF1 protein (Cat# TP304426). The protein was produced from HEK293T cells transfected with RABGEF1 cDNA clone (Cat# [RC204426]) using MegaTran 2.0 (Cat# [TT210002]).