

Product datasheet for **TP305335**

Epac2 (RAPGEF4) (NM_007023) Human Recombinant Protein

Product data:

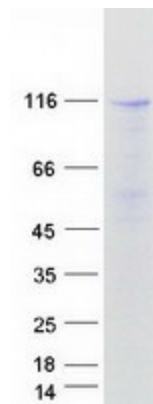
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Rap guanine nucleotide exchange factor (GEF) 4 (RAPGEF4), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205335 protein sequence Red =Cloning site Green =Tags(s)
	<p>MVAHAHAHSSSSAEWIAACDKRPLERSSESDVDIIFTRLKEVKAFEK FHPNLLHQICLCGYENLEKGITL FRQGDIGTNWYAVLAGSLDVKVSETSSHQDAVTICTLGIGTAFGESILDNTPRHATIVTRESSELLRIEQ KDFKALWEKYRQY MAGLLAPPYGV METGSNNDRIPDKENTPLIEPHVPLRPANTITKVPSEKILRAGKIL RNAILSRAPHMIRD RKYHLKTYRQCCVGT ELVDWMMQQTPCVHSRTQAVGMWQV LLEDGVLNHVDQEHHF QDKYLFYRFLDDEHEDAPLPTEEEKKECDEELQDTMLLLSQMGPD AHMRMILRKPPGQRTVDDLEIIYEE LLHIKALSHLSTTVKREL AGLV LIFESHAKGGTVLFNQGEETS WYIILKGSVNVVIY GKGVVCTLHEGDD FGKLALVNDAPRAASIVLREDNCHFLRVDKEDFNRLRDVEANTVRLKEHDQDVLVLEKVPAGNRASNQG NSQPQQKYTVMSGTPEKILEHFLETIRLEATLNEATDSVLNDFIMMHCVFMPNTQLCPALVAHYHAQPSQ GTEQEKM DYALNNKRRVIRLVLQWAAMYGDLLQEDDVSM AFLEEFVSVSDDARMIAALKEQLPELEKIV KQISEDAPKAPQKKHKVLLQQFNTGDERAQRQPIRGSD EVLFKVYCMDPTYTTIRVPVATSVKEVISAVA DKLGS GEGLIIVKMSSGGEKV LKPNDSVFM TLTINGRLFACPREQFDSLTP LPEQEGPTVGTGTGTFEL MSSKDLAYQMTIYDWELFNCVHELELIYHTFGRHNFKKT TANLDLFLRRFNEIQFWVWTEICLCSQLSKR VQLLKKFIKIAAHCKEYKNLNSFFAIVMGLSNVAVSRLALTWEKLP SKFKKFYAEFESLMDPSRNHRAYR LTVAKLEPPLIPFMP LLIKDMTFTHEGNKTFIDNLVNF EKMRMIANTARTVRYRSQPFNPDAQAQANKNH QDVRSYVRQLNVIDNQRTLSQMSHRLEPRRP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	115.3 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



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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.
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_008954
Locus ID:	11069
UniProt ID:	Q8WZA2
RefSeq Size:	4361
Cytogenetics:	2q31.1
RefSeq ORF:	3033
Synonyms:	CAMP-GEFII; CGEF2; EPAC; EPAC 2; EPAC2; Nbla00496
Summary:	Guanine nucleotide exchange factor (GEF) for RAP1A, RAP1B and RAP2A small GTPases that is activated by binding cAMP. Seems not to activate RAB3A. Involved in cAMP-dependent, PKA-independent exocytosis through interaction with RIMS2 (By similarity).[UniProtKB/Swiss-Prot Function]
Protein Pathways:	Leukocyte transendothelial migration

Product images:



Coomassie blue staining of purified RAPGEF4 protein (Cat# TP305335). The protein was produced from HEK293T cells transfected with RAPGEF4 cDNA clone (Cat# [RC205335]) using MegaTran 2.0 (Cat# [TT210002]).