

## Product datasheet for **TP305335M**

### Epac2 (RAPGEF4) (NM\_007023) Human Recombinant Protein

#### Product data:

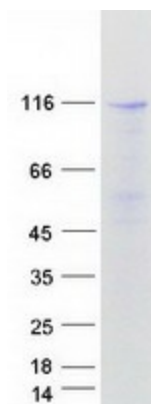
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human Rap guanine nucleotide exchange factor (GEF) 4 (RAPGEF4), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC205335 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MVAHAHAHSSSSAEWIAACDKRPLERSSESDVDIIFTRLKEVKAFEK FHPNLLHQICLCGYENLEKGITL FRQGDIGTNWYAVLAGSLDVKVSETSSHQDAVTICTLGIGTAFGESILDNTPRHATIVTRESSELLRIEQ KDFKALWEKYRQY MAGLLAPPYGV METGSNNDRIPDKENTPLIEPHVPLRPANTITKVPSEKILRAGKIL RNAILSRAPHMIRD RKYHLKTYRQCCVGT ELVDWMMQQTPCVHSRTQAVGMWQV LLEDGVLNHVDQEHHF QDKYLFYRFLDDEHEDAPLPT EEEKKECDEELQDTMLLSQMGPDAHMRMILRKPPGQRTVDDLEIIYEE LLHIKALSHLSTTVKREL AGLV LIFESHAKGGTVLFNQGEETS WYIILKGSVNVVIYGKGVVCTLHEGDD FGKLALVNDAPRAASIVLREDNCHFLRVDKEDFNRLRDVEANTVRLKEHDQDVLVLEKVPAGN RASNQG NSQPQQKYTVMSGTPEKILEHFLETIRLEATLNEATDSVLNDFIMMHCVFMPNTQLCPALVAHYHAQPSQ GTEQEKM DYALNNKRRVIRLVLQWAAMYGDLLQEDDVSM AFLEEFYVSVD DARMIAALKEQLPELEKIV KQISEDAPKAPQKKHKVLLQQFNTGDERAQRQPIRGSD EVLFKVYCMDPTYTTIRVPVATSVKEVISAVA DKLGS GEGLIIVKMSSGGEKV LKPN DVSVFMTLTINGRLFACPREQFDSLTP LPEQEGPTVGT VGT FEL MSSKDLAYQMTIYDWELFNCVHELELIYHTFGRHNFKKTANLDLFLRRFNEIQFWVWTEICLCSQLSKR VQLLKKFIKIAAHCKEYKNLNSFFAIVMGLSNVAVSRLALTWEKLP SKFKKFYAEFESLMDPSRNHRAYR LTVAKLEPPLIPFMP LLIKDMTFTHEGNKTFIDNLVNF EKMRMIANTARTVRYRYSQPFNP DAAQANKNH QDVRSYVRQLNVIDNQRTL SQMSHRLEPRRP</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	115.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_008954</a>
<b>Locus ID:</b>	11069
<b>UniProt ID:</b>	<a href="#">Q8WZA2</a>
<b>RefSeq Size:</b>	4361
<b>Cytogenetics:</b>	2q31.1
<b>RefSeq ORF:</b>	3033
<b>Synonyms:</b>	CAMP-GEFII; CGEF2; EPAC; EPAC 2; EPAC2; Nbla00496
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	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]).