

Product datasheet for TP305335

Epac2 (RAPGEF4) (NM_007023) Human Recombinant Protein

Product data:

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| 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) |

MVAHAHAHSSSSAEWIACLDKRPLERSSDVEDIIFTRLKEVKAFEKFPNLLHQICLCGYENLEKGITL
FRQGDIGTNWYAVLAGSLDVKVSETSSHQDAVTICTLGIGTAFGESILDNTPRHATIVTRESSELLRIEQ
KDFKALWEKYRQYMAGLLAPPYGVMETGSNNDRIPDKENTPLIEPHVPLRPANTITKVPSEKILRAGKIL
RNAILSRAPHMIRDRKYHLKTYRQCCVGTTELVDWMMQQTPCVHSRTQAVGMWQVLLDGLVNLHVDQE
HHF
QDKYLFYRFLDDEHEDAPLPTEEEEKCEDEELQDTMLLLSQMGPDAMRMILRKPPGQRTVDDLEIIEE
LLHIKALSHLSTTVKRELAGVLIFESHAKGGTVLFNQEGEETSWYIILKGSVNVVIYKGVVCTLHEGDD
FGKLALVNDAPRAASIVLREDNCHFLRVDKEDFNRLRDVEANTVRLKEHDQDVLVLEKVPAGNRASNQG
NSQPQQKYTVMSGTPEKILEHFLETIRLEATLNEATDSVLNDFIMMHCVFMPNTQLCPALVAHYHAQPSQ
GTEQEKMDYALNNKRRVIRLVLQWAAMYGDLLQEDDVSMAFLEEFYVSVDARMIAALKEQLPELEKIV
KQISEDAPKQKKHKVLLQQFNTGDERAQRQPIRGSDEVLFKVYCMDPTYTTIRVPVATSVKEISAVA
DKLGSGEGLIIVKMSSGGEKVVLPNDVSVFMTLTINGRLFACPREQFDSLTPLEQEGPTVGTGTFEL
MSSKDLAYQMTIYDWELFNCVHELELIYHTFGRHNFKTTANLDFLRRFNEIQFWVTEICLCSQLSKR
VQLLKKFIKIAAHCKEYKNLNSFFAIVMGLSNVAVSRLALTWEKLPKFKFYAEFESLMDPSRNHRAYR
LTVAKLEPPLIPFMPLLIKDMFTFHEGNKTFIDNLVNFEMRMIANARTVRYRSQFPNPDAQAQANKNH
QDVRSYVRQLNVIDNQRTLSQMSHRLEPRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

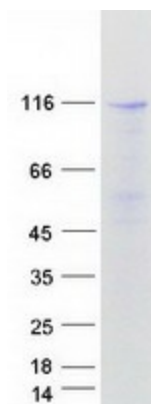
| | |
|----------------|---|
| Tag: | C-Myc/DDK |
| Predicted MW: | 115.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |



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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]).