



Recombinant Human Ras-specific guanine nucleotide-releasing factor 1 (RASGRF1), partial

Product Code	CSB-EP618811HU-B
Abbreviation	RASGRF1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q13972
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p> MQKAIRLNDG HVAPLGLLAR KDGTRKGYLS KRSSDNTKWQ TKWFALLQNL LFYFESDSSS RPSGLYLLEG CVCDRAPSPK PALSAKEPLE KQHYFTVNFS HENQKALELR TEDAKDCDEW VAAIAHASYSR TLATEHEALM QKYLHLLQIV ETEKTVAKQL RQQIEDGEIE IERLKAETS LLKDNERIQS TQTVAPNDED SDIKKIKKVQ SFLRGWLCRR KWKTIIQDYI RSPHADSMRK RNQVVFSMLE AEAQVQQLH ILVNNFLRPL RMAASSKPP ITHDDVSSIF LNSETIMFLH QIFYQGLKAR ISSWPTLVLA DLLDILLPML NIYQEFVRNH QYSLQILAHC KQNRDFDKLL KHYEAKPDCE ERTLETFLTY PMFQIPRYIL TLHDVLAHTP HEHVERNSLD YAKSKLEELS RIMHDEVSET ENIRKNLAIE RMIIEGCEIL LDTSQTFVRQ GSLIQVPMSE KGKITRGRG SLSLEKEGER QCFLFSKHLI ICTRGSGGKL HLTKNGVISL IDCTLLEEPE STEEEAKGSG QDIDHLDFKI GVEPKDSPPF TVILVASSRQ EKAAWTSDIS QCVDNIRCNG LMMNAFEENS KVTVPQMIKR TREGTREAEM SRSDASLYCD DVDIRFSKTM NSCKVLQIRY ASVERLLERL TDLRFLSIDF LNTFLHSYRV FTTAIVVLDK LITIYKKPIS AIPARWLRSL ELLFASGQNN KLLYGEPKPS PRATRFSSP PPLSITKTSS PSRRRKLISL NIPITGGKA LDLAGSLSCN SNGYTSMYSA MSPFSKATLD TSKLYVSSSF TNKIPDEGDT TPEKPEDPSA LSKQSSEVSM REESDIDQNQ SDDGDTETSP TKSPTTPKSV KNKNSSEFPL FSYNNGVVM TSCRELDNRS ALSAASAFAI ATAGANEGTP NKEYRMSL ASAGFPPDQR NGDKEFVIRR AATNRVLNVL RHWVSKHSQD FETNDELKCK VIGFLEVMH DPELLTQERK AAANIIRTLT QEDPGDNQIT LEEITQMAEG VKAEPFENHS ALEIAEQLTL LDHLVFKKIP YEEFFGQGW KLEKNERTPY IMKTTKHFND ISNLIASEII RNEDINARVS AIEKWAVAD ICRCCLHNYNA VLEITSSMNR SAIFRLKKTW LKVSQTKAL IDKLQKLVSS EGRFKNLREA LKNCDPPCVP YLGMYLTDLA FIEEGTPNYT EDGLVNFSSK RMISHIREI RQFQQTAYKI EHQAQVTQYL LDQSFVMDEE SLYESSLRIE PKLPT </p>
Source	E.coli
Target Names	RASGRF1
Protein Names	Recommended name: Ras-specific guanine nucleotide-releasing factor 1 Short name= Ras-GRF1 Alternative name(s): Guanine nucleotide-releasing protein



Short name= GNRP Ras-specific nucleotide exchange factor CDC25

Expression Region	1-1275
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Partial
Target Details	This protein is a guanine nucleotide exchange factor (GEF) similar to the <i>Saccharomyces cerevisiae</i> CDC25 gene product. Functional analysis has demonstrated that this protein stimulates the dissociation of GDP from RAS protein. The studies of the similar gene in mouse suggested that the Ras-GEF activity of this protein in brain can be activated by Ca ²⁺ influx, muscarinic receptors, and G protein beta-gamma subunit. Mouse studies also indicated that the Ras-GEF signaling pathway mediated by this protein may be important for long-term memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.