



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

<b>Product Code</b>	CSB-EP618811HU
<b>Abbreviation</b>	RASGRF1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q13972
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>           MQKAIRLNDG HVAPLGLLAR KDGTRKGYLS KRSSDNTKWQ TKWFALLQNL            LFYFESDSSS RPSGLYLLEG CVCDRAPSPK PALSAKEPLE KQHYFTVNFS            HENQKALELR TEDAKDCDEW VAAIAHASYSR TLATEHEALM QKYLHLLQIV            ETEKTVAKQL RQQIEDGEIE IERLKAETS LLDNERIQS TQTVAPNDED            SDIKKIKKVQ SFLRGWLCRR KWKTIIQDYI RSPHADSMRK RNQVVFSMLE            AEAQYVQQLH 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 FSYNNGVVMT SCRELDNRS            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>
<b>Source</b>	E.coli
<b>Target Names</b>	RASGRF1
<b>Protein Names</b>	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

<b>Expression Region</b>	1-1275
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Partial
<b>Target Details</b>	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 <sup>2+</sup> 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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.