

Recombinant Human RASGRF2 Protein, His-tagged

Cat. No. RASGRF2-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RASGRF2 protein(NP_008840.1), fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	RAS GTPases cycle between an inactive GDP-bound state and an active GTP-bound state. This gene encodes a calcium-regulated nucleotide exchange factor activating both RAS and RAS-related protein, RAC1, through the exchange of bound GDP for GTP, thereby, coordinating the signaling of distinct mitogen-activated protein kinase pathways.
Form	PBS buffer
Molecular Mass	The protein has a calculated MW of 72 kDa.
AA Sequence	MHHHHHHHHMIKSDARLHKDDTDICFSKTLNSCKVPQIRYASVERLLERLTDLRFLSI DFLNTFLHTYRIFTTAAVVLGKLSDIYKRPFTSIPVRSLELFFATSQNNRGEHLVDGKS PRLCRKFSSPPPLAVSRTSSPVRARKLSLTSPLSKIGALDLTSSSPTTTTQSPAAS PPPHTGQIPLDLRGLSSPEQSPGTVEENVNDNPRVDLCNKLKRSIQKAVLESAPADR AGVESSPAADTTELSPCRSPSTPRHLRYRQPGGQTADNAHCSVSPASAFAIATAAA GHGSPPGFNNTERTCDKEFIIRRTATNRVLNVLRHWWVSKHAQDFELNNELKMNVLN LLEEVLDPDLLPQERKAAANILRALSQDDQDDIHLKLEDIIQMTDCMKAECFESLSA MELAEQITLLDHVIFRSIPYEEFLGQGWMKLDKNERTPYIMKTSQHFNDMSNLVASQI

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MNYADVSSRANAIEKWWAVADICRCLHNYNGVLEITSALNRS AIYRLKKTWAKVSKQ
TKALMDKLQKTVSSEGRFKNLRETLKNCNPPAVPYLGMYLTDLAFIEEGTPNFTEEG
LVNFSKMRMISHIIREIRQFQQT SYRIDHQPKVAQYLLDKDLIEDTLYELSLKIEPRL
PA

Purity > 95% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.2 mg/ml

GENE INFORMATION

Gene Name RASGRF2 Ras protein specific guanine nucleotide releasing factor 2 [Homo sapiens (human)]

Official Symbol RASGRF2

Synonyms GRF2; RAS-GRF2

Gene ID 5924

mRNA Refseq NM_006909.3

Protein Refseq NP_008840.1

MIM 606614

UniProt ID O14827

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