

Recombinant Human RASGRP1 protein, GST-tagged

Cat. No. RASGRP1-8966H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RASGRP1 protein(678-797 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	678-797 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	QPWIGSEGSPGPFVLSSPRKTAQDTLYVLPSPTSPCSPVLVRKRAFKWENKDSL IKSKEELRHLRLPTYQELEQEINTLKADNDALKIQLKYAQKKIESLQLEKSNHVLQME QGDCS
Purity	90%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION
Gene Name

RASGRP1 RAS guanyl releasing protein 1 (calcium and DAG-regulated) [Homo sapiens]

Official Symbol

RASGRP1

Synonyms

RASGRP1; RAS guanyl releasing protein 1 (calcium and DAG-regulated); RAS guanyl-releasing protein 1; CalDAG GEFII; RASGRP; ras activator RasGRP; RAS guanyl nucleotide-releasing protein 1; calcium and DAG-regulated guanine nucleotide exchange factor II; guanine nucleotide exchange factor, calcium- and DAG-regulated, Rap1A; V; hRasGRP1; CALDAG-GEFI; CALDAG-GEFII; MGC129998; MGC129999;

mRNA Refseq

NM_001128602

Protein Refseq

NP_001122074

MIM

603962

UniProt ID

O95267

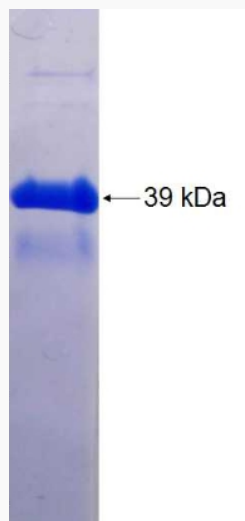
Gene ID

10125

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SDS-PAGE

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