

Recombinant Human RASGRP4 cell lysate

Cat. No. RASGRP4-1477HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Description

The protein encoded by this gene is a member of the Ras guanyl nucleotide-releasing protein (RasGRP) family of Ras guanine nucleotide exchange factors. It contains a Ras exchange motif, a diacylglycerol-binding domain, and two calcium-binding EF hands. This protein was shown to activate H-Ras in a cation-dependent manner in vitro. Expression of this protein in myeloid cell lines was found to be correlated with elevated level of activated RAS protein, and the RAS activation can be greatly enhanced by phorbol ester treatment, which suggested a role of this protein in diacylglycerol regulated cell signaling pathways. Studies of a mast cell leukemia cell line expressing substantial amounts of abnormal transcripts of this gene indicated that this gene may play an important role in the final stages of mast cell development. Multiple transcript variants encoding different isoforms have been found for this gene.

Size 100 ul

Storage Buffer 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications Western Blot;

GENE INFORMATION

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Gene Name	RASGRP4 RAS guanyl releasing protein 4 [Homo sapiens]
Official Symbol	RASGRP4
Synonyms	RASGRP4; RAS guanyl releasing protein 4; RAS guanyl-releasing protein 4; guanyl nucleotide releasing protein 4;
Gene ID	115727
mRNA Refseq	NM_001146202
Protein Refseq	NP_001139674
MIM	607320
UniProt ID	Q8TDF6
Chromosome Location	19q13.1
Pathway	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;
Function	GTP-dependent protein binding; Ras guanyl-nucleotide exchange factor activity; diacylglycerol binding; metal ion binding;