

## Recombinant Human RAPGEF5 cell lysate

**Cat. No.** RAPGEF5-1469HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	Members of the RAS (see HRAS; MIM 190020) subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as RAPGEF5, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation (Rebhun et al., 2000 [PubMed 10934204]).
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	RAPGEF5 Rap guanine nucleotide exchange factor (GEF) 5 [ Homo sapiens ]
<b>Official Symbol</b>	RAPGEF5
<b>Synonyms</b>	RAPGEF5; Rap guanine nucleotide exchange factor (GEF) 5; rap guanine nucleotide exchange factor 5; GFR; KIAA0277; M Ras regulated GEF; MR GEF; related to Epac; M-Ras-regulated GEF; M-Ras-regulated Rap GEF; guanine nucleotide exchange

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	factor for Rap1; REPAC; MR-GEF;
<b>Gene ID</b>	9771
<b>mRNA Refseq</b>	NM_012294
<b>Protein Refseq</b>	NP_036426
<b>MIM</b>	609527
<b>UniProt ID</b>	Q92565
<b>Chromosome Location</b>	7p15.3
<b>Function</b>	GTP-dependent protein binding; Rap guanyl-nucleotide exchange factor activity; Ras guanyl-nucleotide exchange factor activity;

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