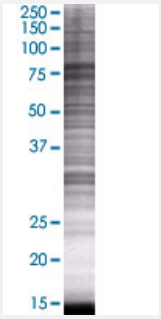
RASGRP3 293T Cell Transient Overexpression Lysate(Denatured)

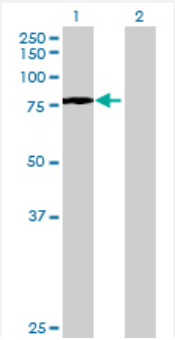
Catalog # H00025780-T01 Size 100 uL

Applications



SDS-PAGE Gel

RASGRP3 transfected lysate.



Western Blot

Lane 1: RASGRP3 transfected lysate (76.01 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-RASGRP3 full-length
Host	Human
Theoretical MW (kDa)	76.01
Interspecies Antigen Sequence	Mouse (94); Rat (94)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-RASGRP3 antibody (H00025780-B01) by Western Blots. SDS-PAGE Gel RASGRP3 transfected lysate. Western Blot Lane 1: RASGRP3 transfected lysate (76.01 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — RASGRP3

Entrez GeneID	25780
GeneBank Accession#	NM_170672
Protein Accession#	NP_733772
Gene Name	RASGRP3
Gene Alias	GRP3, KIAA0846
Gene Description	RAS guanyl releasing protein 3 (calcium and DAG-regulated)
Omim ID	609531
Gene Ontology	Hyperlink
Gene Summary	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 RASGRP3, 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]).[supplied by OMIM
Other Designations	guanine nucleotide exchange factor for Rap1

Pathway

- B cell receptor signaling pathway
- MAPK signaling pathway

Disease

- Genetic Predisposition to Disease
- Hypertension
- Lupus Erythematosus
- Lupus Nephritis
- Tobacco Use Disorder