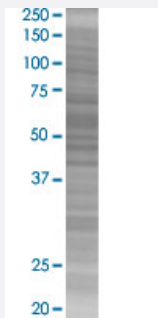


# RAPGEF5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009771-T02

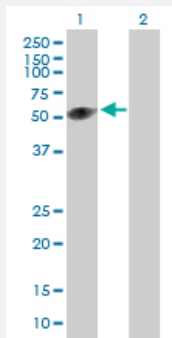
Size 100 uL

## Applications



### SDS-PAGE Gel

RAPGEF5 transfected lysate.



### Western Blot

Lane 1: RAPGEF5 transfected lysate ( 48.95 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                               |                          |
|-------------------------------|--------------------------|
| Transfected Cell Line         | 293T                     |
| Plasmid                       | pCMV-RAPGEF5 full-length |
| Host                          | Human                    |
| Theoretical MW (kDa)          | 48.95                    |
| Interspecies Antigen Sequence | Mouse (94)               |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-RAPGEF5 antibody ([H00009771-B01P](#)) by Western Blots.  
SDS-PAGE Gel  
RAPGEF5 transfected lysate.  
Western Blot  
Lane 1: RAPGEF5 transfected lysate ( 48.95 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 — RAPGEF5

**Entrez GeneID**[9771](#)**GeneBank Accession#**[BC039203](#)**Protein Accession#**[AAH39203](#)**Gene Name**

RAPGEF5

**Gene Alias**

GFR, KIAA0277, MR-GEF, REPAC

**Gene Description**

Rap guanine nucleotide exchange factor (GEF) 5

**Omim ID**[609527](#)**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 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]).[supplied by OMIM]

**Other Designations**

M-Ras-regulated GEF|guanine nucleotide exchange factor for Rap1

## Disease

- [Tobacco Use Disorder](#)