

# Recombinant Full Length Human GARNL4 Protein, GST-tagged

**Cat. No.** GARNL4-5442HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GARNL4 full-length ORF (BAC85912.1, 1 a.a. - 711 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 711 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes a GTPase-activating protein that activates the small guanine-nucleotide-binding protein Rap1 in platelets. The protein interacts with synaptotagmin-like protein 1 and Rab27 and regulates secretion of dense granules from platelets at sites of endothelial damage. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]                                           |
| <b>Molecular Mass</b>   | 104.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MLASLKVKKQELANSSDATLPDRPLSPPLTAPPTMKSSSEFFEMLEKMQGIKLEEQKP<br>GPQKNKDDYIPYPSIDEVVEKGGPYPQVILPQFGGYWIEDPENVTPTSLGSSICEE<br>EEEDNLSPNTFGYKLECKGEARAYRRHFLGKDHLNFYCTGSSSLGNLILSVKCEEAEAG<br>IEYLRVILRSKLKTVHERIPLAGLSKLPSVPQIAKAFCD DAVGLRFNPVLYPKASQMIV<br>SYDEHEVNNTFKFGVYQKARQTLEEEELFGNNEESLAFKEFLDLLGDTITLQDFKGFR<br>GGLDVTHGQTGVESVYTTFRDREIMFHVSTKLPFTDGDAAQQLQRKRHIGNDIVAIIQF<br>EENTPFVPMIASNFLHAYIVVQVETPGTETPSYKVSVTAREDVPTFGPPLPSPPVF |

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QKGPEFREFLLTKLTNAENACCKSDKFAKLEDRTAALLDNLHDELHAHTQAMLGL  
 GPPEEDKFENGHHGGFLESFKRAIRVRSHSMETMVGGQKKSHSGGIPGSLSGGISH  
 NSMEVTKTTFSPPVVAATVKNQSRSPIKRRSGLFPRLHTGSEGQGDSRARCDSTSS  
 TPKTPDGGHSSQEIKSETSSNPSSPEICPNKEKPFMKLKENGRAISRSSSSTSSVSS  
 TAGEGEAMEEGDSGGSQPSTTSPFKQEVFVYSPSPSSESPSLGAAATPIIMSRSP  
 DAKSRNSPRSNLKFREFDKLSHASSGAGH

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[RAP1GAP2 RAP1 GTPase activating protein 2 \[ Homo sapiens \(human\) \]](#)

**Official Symbol**

[GARNL4](#)

**Synonyms**

RAP1GAP2; RAP1 GTPase activating protein 2; GARNL4; RAP1GA3; rap1 GTPase-activating protein 2; GTPase activating RANGAP domain-like 4; GTPase activating Rap/RanGAP domain-like 4; GTPase-activating Rap/Ran-GAP domain-like protein 4

**Gene ID**

[23108](#)

**mRNA Refseq**

[NM\\_001100398](#)

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|                |              |
|----------------|--------------|
| Protein Refseq | NP_001093868 |
| MIM            | 618714       |
| UniProt ID     | Q684P5       |

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