# Recombinant Human RABGGTA 293 Cell Lysate

**Cat. No.** RABGGTA-2573HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | Antigen standard for Rab geranylgeranyltransferase, alpha subunit (RABGGTA), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| **Components** | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| **Size** | 0.1 mg |
| **Storage Instruction** | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |

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| **Applications** | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane. |

## GENE INFORMATION

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| **Gene Name** | RABGGTA Rab geranylgeranyltransferase, alpha subunit [ Homo sapiens ] |
| **Official Symbol** | RABGGTA |
| **Synonyms** | RABGGTA; Rab geranylgeranyltransferase, alpha subunit; geranylgeranyl transferase type-2 subunit alpha; protein prenyltransferase alpha subunit repeat containing 3; PTAR3; Rab GGTase alpha; Rab GG transferase alpha; rab geranylgeranyltransferase subunit alpha; rab geranyl-geranyltransferase subunit alpha; geranylgeranyl transferase type II subunit alpha; |
| **Gene ID** | 5875 |
| **mRNA Refseq** | NM_004581 |
| **Protein Refseq** | NP_004572 |
| **MIM** | 601905 |
| **UniProt ID** | Q92696 |
| **Chromosome Location** | 14q11.2 |
| **Pathway** | Signaling events mediated by PRL, organism-specific biosystem; |

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| **Function** | Rab geranylgeranyltransferase activity; metal ion binding; protein prenyltransferase activity; transferase activity; zinc ion binding; |

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