

Recombinant Human IQGAP3

Catalog No: #GP10528



Package Size: #GP10528-1 100ug

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Description

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| Product Name | Recombinant Human IQGAP3 |
| Brief Description | Recombinant Protein |
| Immunogen Description | Fusion protein corresponding to a region derived from 1165-1325 amino acids of human IQ motif containing GTPase activating protein 3 |
| Target Name | IQ motif containing GTPase activating protein 3 |
| Accession No. | Swissprot:Q86VI3Gene Accession:BC131536 |
| Uniprot | Q86VI3 |
| GeneID | 128239; |
| Storage | -20~-80°C, pH 7.6 PBS |

Background

IQGAP3 (IQ motif containing GTPase activating protein 3) is a 1,631 amino acid protein that acts as an effector of Cdc42 and Rac 1, linking their activation to the cytoskeleton during neuronal morphogenesis. A novel member of the IQGAP family, IQGAP3 is highly expressed in brain where it localizes to axons of hippocampal neurons. IQGAP3 contains one Ras-GAP domain, a CH (calponin-homology) domain, four IQ domains and is encoded by a gene located on human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinsons disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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