Recombinant Human ARHGAP4, His-tagged

Cat. No. ARHGAP4-26278TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 692-946 of Human ARHGAP4 with an N terminal His tag; Predicted MWt 28 kDa.
Species	Human
Source	E.coli
ProteinLength	692-946 a.a.
Description	This gene encodes a member of the rhoGAP family of proteins which play a role in the regulation of small GTP-binding proteins belonging to the RAS superfamily. The protein encoded by the orthologous gene in rat is localized to the Golgi complex and can redistribute to microtubules. The rat protein stimulates the activity of some Rho GTPases in vitro. Genomic deletions of this gene and a neighboring gene have been found in patients with nephrogenic diabetes insipidus. Multiple transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 141 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	DRVFPPLTSLPGPVYEKCMAPPSASCLGDAQLESLGADNE PELEAEMPAQEDDLE GVVEAVACFAYTGRTAQELSFRR GDVLRLHERASSDWWRGEHNGMRGLIPHKYIT LPAGTE KQVVGAGLQTAGESGSSPEGLLASELVHRPEPCTSPEA MGPSGHRRRC LVPASPEQHVEVDKAVAQNMDSVFKELLGK TSVRQGLGPASTTSPSPGPRSPKAP PSSRLGRNKGFSR GPGAPASPSASHPQGLDTTPKPH

GENE INFORMATION

Gene Name	ARHGAP4 Rho GTPase activating protein 4 [Homo sapiens]
Official Symbol	ARHGAP4
Synonyms	ARHGAP4; Rho GTPase activating protein 4; rho GTPase-activating protein 4; C1; KIAA0131; p115; Rho GAP hematopoietic protein C1; RhoGAP4; SrGAP4;
Gene ID	393
mRNA Refseq	NM_001164741
Protein Refseq	NP_001158213
MIM	300023
Uniprot ID	P98171
Chromosome Location	Xq28
Pathway	Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; NRAGE signals death through JNK,

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	organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem;
Function	GTPase activator activity; Rho GTPase activator activity; SH3/SH2 adaptor activity; protein binding;

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