

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

DRVFPPLTSLPGPVYEKCMAPPSASCLGDAQLES LGADNE PELEAEMPAQEDDLE
 GVVEAVACFAYTGRTAQELSFRR GDVLR LHERASSDWWRG EHN GMRGLIPHKYIT
 LPAGTE KQVVGAGLQTAGESGSSPEGLLASELVHRPEPCTSPEA MGPSGHRRRC
 LVPASPEQHVEVDKAVAQNMDSVFKELLGK TSVRQGLGPASTTSPSPGPRSPKAP
 PSSRLGRNKGFSR GPGAPASPSASHPQGLDTPKPH

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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