

Recombinant Human ARHGEF6 protein, GST-tagged

Cat. No. ARHGEF6-789H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Human ARHGEF6 full-length ORF (NP_004831.1, 1 a.a. - 776 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | Wheat Germ |
| Description | Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It may form a complex with G proteins and stimulate Rho-dependent signals. This protein is activated by PI3-kinase. Mutations in this gene can cause X-chromosomal non-specific mental retardation. [provided by RefSeq, Jul 2008] |
| Molecular Mass | 113.9 kDa |
| AA Sequence | MNPEEQIVTWLISLGVLESPKKTICDPEEFLKSSLKNGVVLCKLINRLMPGSVEKFCL DPQTEADCINNINDFLKGCATLQVEIFDPDDL YSGVNF SKVLSTLLAVNKATEDQLSE RPCGRSSSLSAANTSQTNPQGAVSSTV SGLQRQSKTVEMTENGSHQLIVKARFNFK QTNEDELSVCKGDIIYVTRVEEGGWEGTLNGRTGWFP SNYVREIKSSERPLSPKA VKG FETAPLTKNYITVVLQNILDTEKEYAKELQSLLV TYLRPLQSNNNLSTVEVTSLL GNFEEVCTFQQTLCQALEECSKFPENQHKVGGCLLSLMPHFKSMY LAYCANHPSA VNVLTQHSDELEQFMENQGASSPGILITTNLSKPFMRLEKYVTLLQELERHMEDTH |

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PDHQDILKAIVAFKTLMGQCQDLRKRKQLELQILSEPIQAWEGEDIKNLGNVIFMSQV
 MVQYGACEEKEERYLMLFSNLIMLSASPRMSGFIYQGKIPIAGTVVTRLDEIEGND
 TFEITGNTVERIVVHCNNNQDFQEWLEQLNRLIRGPASCSSLSKTSSSSSCSAHSSFS
 STGQPRGPLEPPQIIKPWSLSCLRPAPPLRPSAALGYKERMSYILKESSKSPKTMKK
 FLHKKRTERKPSEEEYVIRKSTAAL EEDAQILKVIEAYCTSANFQQGHGSSTRKDSIP
 QVLLPEEEKLIIEETRSNGQTIMEEESLVDTVYALKDEVRELKQENKRMKQCLEEEELK
 SRRDLEKLVRRLLKQTDECIRGESSSKTSILP

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

[ARHGEF6](#) *Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6 [Homo sapiens]*

Official Symbol

[ARHGEF6](#)

Synonyms

ARHGEF6; *Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6*; mental retardation, X linked 46 , MRX46; rho guanine nucleotide exchange factor 6; alpha PIX; alphaPIX; Cool 2; Cool2; KIAA0006; PAK interacting exchange factor; alpha; *Rac/Cdc42 guanine exchange factor (GEF) 6*; PAK-interacting exchange factor alpha; PAK-interacting exchange factor, alpha; *rac/Cdc42 guanine nucleotide exchange factor 6*; PIXA; COOL2; MRX46; Cool-2; alpha-PIX;

Gene ID

[9459](#)

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|----------------|-----------|
| mRNA Refseq | NM_004840 |
| Protein Refseq | NP_004831 |
| MIM | 300267 |
| UniProt ID | Q15052 |

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