

Recombinant Human ARHGEF6 protein, GST-tagged

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

SPECIFICATION

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 RPCGRSSSLSAANTSQTNPQGAVSSTVSGLQRQSKTVEMTENGSHQLIVKARFNFK QTNEDELSVCKGDIIYVTRVEEGGWEGTLNGRTGWFPSNYVREIKSSERPLSPKA VKG FETAPLTKNYYTVVLQNILDTEKEYAKELQSLLVTYLRPLQSNNNLSTVEVTSLL GNFEEVCTFQQTL CQALEECSKFPENQHKVGGCLLSLMPHFKSMYLAYCANHPSA VNVLTQHSDELEQFMENQGASSPGILITTNLSKPFMRLEKYVTLLQELERHMEDTH

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PDHQDILKAIVAFKTLMGQCQDLRKRKQLELQILSEPIQAWEGEDIKNLGNVIFMSQV
 MVQYGACEEKEERYLMLFSNVLIMLSASPRMSGFIYQGKIPIAGTVVTRLDEIEGND
 TFEITGNTVERIVVHCNNNQDFQEWLEQLNRLIRGPASCSSLSKTSSSSCSAHSSFS
 STGQPRGPLEPPQIIKPWSLSCLRPAPPLRPSAALGYKERMSYILKESSKSPKTMKK
 FLHKRKTERKPSEEEYVIRKSTAAL EEDAQILKVIEAYCTSANFQQGHGSSTRKDSIP
 QVLLPEEEKLIIETRSNGQTIMEEKS LVDTVYALKDEVRELKQENKRMKQCLEEEELK
 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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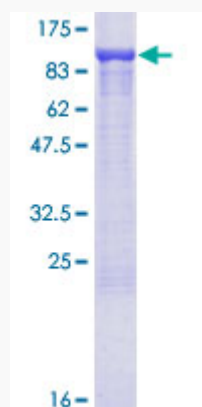
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mRNA Refseq NM_004840

Protein Refseq NP_004831

MIM 300267

UniProt ID Q15052



12.5% SDS-PAGE Stained with Coomassie Blue.

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