

Recombinant Full Length Human ARHGEF6 Protein, GST-tagged

Cat. No. ARHGEF6-1133HF **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	In Vitro Cell Free System
ProteinLength	776 amino acids
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	MNPEEQIVTW LISLGVLESP KKTICDPEEF LKSSLKNGVV LCKLINRLMP GSVEKFCLDP QTEADCINNI NDFLKGCATL QVEIFDPDDL YSGVNFSKVL STLLAVNKAT EDQLSERPCG RSSLASAANT SQTNPQGAVS STVSGLQRQS KTVENTENGH HQLIVKARFN FKQTNEDELS VCKGDIIYVT RVEEGGWEG TLNGRTGWFP SNYVREIKSS ERPLSPKAVK GFETAPLTKN YYTVVLQNIL

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DTEKEYAKEL QSLLVTYLRP LQSNLSTV EVTSLGNGFE EVCTFQQTLC
 QALEECSKFP ENQHKVGGCL LSLMPHFKSM YLAYCANHPS AVNVLTQHSD
 ELEQFMENQG ASSPGILILT TNLSKPFMRL EKYVTLLQEL ERHMEDTHPD
 HQDILKAIVA FKTLMGQCQD LRKRKQLELQ ILSEPIQAWG GEDIKNLGNV
 IFMSQVMVQY GACEEKEERY LMLFSNVLM LSASPRMSGF IYQGKIPIAG
 TVVTRLDEIE GNDCTFEITG NTVERIVVHC NNNQDFQEWL EQLNRLIRGP
 ASCSSLKSTS SSSCSAHSSF SSTGQPRGPL EPPQIIKPS LSCLRPAPPL
 RPSAALGYKE RMSYILKESS KSPKTMKKFL HKRKTERKPS EEEYVIRKST
 AALEEDAQIL KVIEAYCTSA NFQQGHGSST RKDSIPQVLL PEEKLIIEE
 TRSNGQTIME EKSLVDTVYA LKDEVRELKQ ENKRMKQCLE EELKSRRDLE
 KLVRRLLKQT DECIRGESSS KTSILP

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

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

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factor 6; PIXA; COOL2; MRX46; Cool-2; alpha-PIX

Gene ID [9459](#)

mRNA Refseq [NM_004840](#)

Protein Refseq [NP_004831](#)

MIM [300267](#)

UniProt ID [Q15052](#)

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