



# Recombinant Human Rho guanine nucleotide exchange factor 6 (ARHGEF6)

<b>Product Code</b>	CSB-YP618974HU
<b>Abbreviation</b>	ARHGEF6
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q15052
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNPEEQIVTW LISLGVLESP KKTICDPEEF LKSSLKNGVV LCKLINRLMP GSVEKFCLDP QTEADCINNI NDFLKGATL QVEIFDPDDL YSGVNFSKVL STLLAVNKAT EDQLSERPCG RSSLISAANT SQTNPQGAVS STVSGLQRQS KTVENTENGS HQLIVKARFN FKQTNEDELS VCKGDIIVT RVEEGGWEG TLNGRTGWFP SNYVREIKSS ERPLSPKAVK GFETAPLTKN YYTVVLQNIL DTEKEYAKEL QSLLVTYLRP LQSNNNLSTV EVTSLGNGFE EVCTFQQTLC QALEECSKFP ENQHKVGGCL LSLMPHFISM YLAYCANHPS AVNVLTQHSD ELEQFMENQG ASSPGILILT TNLSPKFMRL EKVTLLQEL ERHMEDTHPD HQDILKAIVA FKTLMGQCQD LRKRKQLELQ ILSEPIQAWG GEDIKNLGNV IFMSQVMVQY GACEEKEERY LMLFSNVLM LSASPRMSGF IYQGGKIPIAG TVVTRLDEIE GNDCTFEITG NTVERIVVHC NNNQDFQEWL EQLNRLIRGP ASCSSLSKTS SSSCSAHSSS SSTGQPRGPL EPPQIIKPWS LSCLRPAPPL RPSAALGYKE RMSYILKESS KSPKTMKKFL HKRKTERKPS EEEYVIRKST AALEEDAQIL KVIEAYCTSA NFQQGHGSST RKDSIPQVLL PEEELIIEE TRSNQTIME EKSLVDTVYA LKDEVRELKQ ENKRMKQCLE EELKSRDLE KLVRLLKQT DECIRGESSS KTSILP
<b>Source</b>	Yeast
<b>Target Names</b>	ARHGEF6
<b>Protein Names</b>	Recommended name: Rho guanine nucleotide exchange factor 6 Alternative name(s): Alpha-Pix COOL-2 PAK-interacting exchange factor alpha Rac/Cdc42 guanine nucleotide exchange factor 6
<b>Expression Region</b>	1-776
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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