



# Recombinant Rat Rho guanine nucleotide exchange factor 6 (Arhgef6)

<b>Product Code</b>	CSB-BP730408RA
<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>	Q5XXR3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MNPEERVVTW LISLGVLESP KKTICDPEEF LKSSLKNGVV LCKLISRLLP GSVEKYCQEP QTEADCIDNI NDFLKGCATL QVEVFEPDDL YSGANFSKVL NTLLAVNKAT EDQLSERPCG RSSLSSATTS SQTNPQAAVP STTPEQQSEE KAAEMTENGSHQLIVKARFN FKQTNEDELS VCKGDIYVT RVEEGGWEG TLNGRTGWFP SNYVREIKPS ERPLSPKAVK GFDTAPLTKN YYTVVLQNIL DTEKEYAKEL QSLLVTYLRP LQSNNNLSTV EFTCLLGNFE EVCTFQQTLC QALEECSKSP ENQHKVGGCL LNLMPHFISM YLAYCANHPS AVNVLQHS DLERFMENQG ASSPGILILT TSLSKPFMRL EKYVTLQEL ERHMEDTHPD HQDILKAIIA FKSLMGQCQD LRKRKQLELQ ILSEPIQAWG GDDIKTLGNV IFMSQVVMQH GACEEKEERY FLLFSSVLIM LSASPRMSGF MYQGKVIPIAG MNVTRLDEIE GNDCTFEITG STVERIVVHC NNNQDFQEWG EQLNRLTKGP ASCSSLSKTS SSSCSTHSSF SSTGQPRGPL EPPQIIKPWS LSCLRPAPPL RPSAALGYKE RMSYILKESS KSPKTMKKFL HKRKTERKTS EEEYVIRKST AALEEDAQIL KVIEAYCTSA SFQQGTRKDS VPQVLLPEEE KLIIETRSN GQTIIEEKSL VDTVYALKDE VKELKQENKK MKQCLEEEELK SRKDLEKLVR KLLKQTDESI RAESSKTSI LQ
<b>Source</b>	Baculovirus
<b>Target Names</b>	Arhgef6
<b>Protein Names</b>	Recommended name: Rho guanine nucleotide exchange factor 6 Alternative name(s): Rac/Cdc42 guanine nucleotide exchange factor 6
<b>Expression Region</b>	1-772
<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.

---

**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.

---

**Shelf Life**

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.