



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

<b>Product Code</b>	CSB-EP813003MO
<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>	Q8K4I3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MNPEERLVTW LISLGVLESP KKTVCDPEEF LKSSLKNGVV LCKLINRLLP GSVEKYCLEP QTEADCIDNI NDFLKGCATL QVEVFEPDDL YSGANFSKVL NTLLAVNKAT EDQLSERPCG RSSLASAATS SQTNPQVAVP STAPEQHSEE KAEMTENGSH QLIVKARFNF KQTNEDELSV CKGDIIYVTR VEEGGWWEGT LNGRTGWFPS NYVREIKPSE RPLSPKAIKG FDTAPLTKNY YTVVLQNILD TEKEYAKELQ SLLVTYLRPL QSNNNLSTVE FTCLLGNFEE VCTFQQTLQC ALEECSKFPE NQHKVGGCLL NLMPHFKSMY LAYCANHPSA VNVLTQHSD LERFMENQGA SSPGILITT SLSKPFMRLE KYVTLLQELE RHMEDTHPDH QDILKAIIF KTLMGQCQDL RKRKQLELQI LSEPIQAWEG DDIKTLGNVI FMSQVVMQHG ACEEKEERYF LFFSSVLIML SASPRMSGFM YQGKIPIAGM VVNRLDEIEG SDCMFEITGS TVERIVVHCN NNQDFQEWME QLNRLTKGPT SCGSLSKTSS SSCSTHSSFS STGQPRGPLE PPQIIKPWSL SCLRPAPPLR PSAALGYKER MSYILKESSK SPKTMKKFLH KRKTERKASE EEYVIRKSTA ALEEDAQILK VIEAYCTSAS FQQGTRKDSV PQVLLPEEEK LIIETRSNG QTIIEEKSLV DTVYALKDEV KELKQENKKM KQCLEEELKS RKDLEKLVK LLKQTDECIR SESSKTSIL Q
<b>Source</b>	E.coli
<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>	1-771
<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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