



Recombinant Mouse Rho guanine nucleotide exchange factor 4 (Arhgef4)

Product Code	CSB-MP766503MO
Abbreviation	Arhgef4
Storage	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.
Uniprot No.	Q7TNR9
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MDDQELGFKA GDVIEVMDAT NREWWWGRVA DGEGWFPASF VRLRVNQDEP ADDYEAPRAG AREADDSGPE AQSCKDQMRT NVINEILSTE RDYIKHLRDI CEGYVRQCRK REDMFSEEQL RTIFGNIEDI YRCQKAFVKA LEQKFENTERP HLSELGACFL EHQADFQIYS EYCNNHPNAC VELSRITKLS KYVYFFEACR LLQRMIDISL DGFLITPVQK ICKYPLQLAE LLKYTHPQHR DFKNVEAALH AMKNVAQLIN ERKRRLLENID KIAQWQSSIE DWEGEDLLVR SSELIHSGEL TRVTQPQARS QQRMFFLFDR QLIYCKKDLL RRDVLYYKGR LDMDDLEVVD VEDGKDRDLH VSVKNAFRLY CGTTGDSHLL CARKPEQKQR WLKAFARERE QVRLDQETGF SITELQRKQA MLNASKQQAT GKPKAVGRPG YLTRHKHPSL PASRPQQQVL VLAEP RRKPS NFWHSISRLA PFRK
Source	Mammalian cell
Target Names	Arhgef4
Protein Names	Recommended name: Rho guanine nucleotide exchange factor 4 Alternative name(s): APC-stimulated guanine nucleotide exchange factor Short name= Asef
Expression Region	1-484
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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 may form complex with G proteins and stimulate Rho-dependent signals. This protein is similar to rat collybistin protein. Alternative splicing of this gene generates two transcript variants which encode different isoforms. Also there is possibility for the usage of multiple polyadenylation sites for this gene.

**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.