



Recombinant Human Rho guanine nucleotide exchange factor 4 (ARHGEF4)

Product Code	CSB-BP882083HU
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.	Q9NR80
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MPWEEPAGEK PSCSHSQKAF HMEPAQKPCF TDMVTWALL CISAETVRGE APSQPRGIPH RSPVSVDDLW LEKTQRKKLQ KQAHVERRLH IGAVHKDGVK CWRKTIITSP ESLNLPRRSH PLSQSAPTGL NHMGWPEHTP GTAMPDGALD TAVCADEVGS EEDLYDDLHS SSHHYSHPGG GGEQLAINEL ISDGSVVCAE ALWDHVTMDD QELGFKAGDV IEVMDATNRE WWWGRVADGE GWFPASFVRL RVNQDEPADD DAPLAGNSGA EDGGAEAQSS KDQMRTNVIN EILSTERDYI KHLRDICEGY VRQCRKRAM FSEEQLRTIF GNIEDIYRCQ KAFVKALEQR FNRERPHLSE LGACFLEHQA DFQIYSEYCN NHPNACVELS RLTKLSKYVY FFEACRLLQK MIDISLDGFL LTPVQKICKY PLQLAELLYK THPQHRDFKD VEAALHAMKN VAQLINERKR RLENIDKIAQ WQSSIEDWEG EDLLVRSSSEL IYSGELTRVT QPQAKSQQRM FFLFDHQLIY CKKDLLRRDV LYYKGRDMD GLEVVDLEDG KDRDLHVSİK NAFRLHRGAT GDSHLLCTRK PEQKQRWLKA FAREREQVQL DQETGFSITE LQRKQAMLNA SKQQVTGKPK AVGRPCYLTR QKHPALPSNR PQQQVLVLAE PRRKPSTFWH SISRLAPFRK
Source	Baculovirus
Target Names	ARHGEF4
Protein Names	Recommended name: Rho guanine nucleotide exchange factor 4 Alternative name(s): APC-stimulated guanine nucleotide exchange factor 1 Short name= Asef Short name= Asef1
Expression Region	1-690
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.