



# Recombinant Human Rho guanine nucleotide exchange factor 4 (ARHGEF4)

<b>Product Code</b>	CSB-EP882083HU
<b>Abbreviation</b>	ARHGEF4
<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>	Q9NR80
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MPWEEPAGEK PSCSHSQKAF HMEPAQKPCF TDMVTWALL CISAETVRGE APSQPRGIPH RSPVSVDDLW LEKTQRKKLQ KQAHVERRLH IGAVHKDGVK CWRKTIITSP ESLNLP RRSH 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 EDLLVRSEL IYSGELTRVT QPQAKSQQRM FFLFDHQLIY CKKDLLRRDV LYYKGRDMD GLEVVDLEDG KDRDLHVS IK NAFRLHRGAT GDSHLLCTRK PEQKQRWLKA FAREREQVQL DQETGFSITE LQRKQAMLNA SKQQVTGKPK AVGRPCYLTR QKHPALPSNR PQQQVLVLAE PRRKPSTFWH SISRLAPFRK
<b>Source</b>	E.coli
<b>Target Names</b>	ARHGEF4
<b>Protein Names</b>	Recommended name: Rho guanine nucleotide exchange factor 4 Alternative name(s): APC-stimulated guanine nucleotide exchange factor 1 Short name= Asef Short name= Asef1
<b>Expression Region</b>	1-690
<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 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.

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