Recombinant Human Rho guanine nucleotide exchange factor 3 (ARHGEF3)

Product Code	CSB-EP878863HU-B
Abbreviation	ARHGEF3
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.	Q9NR81
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MVAKDYPFYL TVKRANCSLE LPPASGPAKD AEEPSNKRVK PLSRVTSLAN LIPPVKATPL KRFSQTLQRS ISFRSESRPD ILAPRPWSRN AAPSSTKRRD SKLWSETFDV CVNQMLTSKE IKRQEAIFEL SQGEEDLIED LKLAKKAYHD PMLKLSIMTE QELNQIFGTL DSLIPLHEEL LSQLRDVRKP DGSTEHVGPI LVGWLPCLSS YDSYCSNQVA AKALLDHKKQ DHRVQDFLQR CLESPFSRKL DLWNFLDIPR SRLVKYPLLL REILRHTPND NPDQQHLEEA INIIQGIVAE INTKTGESEC RYYKERLLYL EEGQKDSLID SSRVLCCHGE LKNNRGVKLH VFLFQEVLVI TRAVTHNEQL CYQLYRQPIP VKDLLLEDLQ DGEVRLGGSL RGAFSNNERI KNFFRVSFKN GSQSQTHSLQ ANDTFNKQQW LNCIRQAKET VLCAAGQAGV LDSEGSFLNP TTGSRELQGE TKLEQMDQSD SESDCSMDTS EVSLDCERME QTDSSCGNSR HGESNV
Source	E.coli
Target Names	ARHGEF3
Protein Names	Recommended name: Rho guanine nucleotide exchange factor 3 Alternative name(s): Exchange factor found in platelets and leukemic and neuronal tissues Short name= XPLN
Expression Region	1-526
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-like GTPases are involved in a variety of cellular processes, and they are activated by binding GTP and inactivated by conversion of GTP to GDP by their intrinsic GTPase activity. Guanine nucleotide exchange factors (GEFs) accelerate the GTPase activity of Rho GTPases by catalyzing their release of bound GDP. This gene encodes a guanine nucleotide exchange factor, which specifically activates two members of the Rho GTPase family: RHOA and

	RHOB, both of which have a role in bone cell biology. It has been identified that genetic variation in this gene plays a role in the determination of bone mineral density (BMD), indicating the implication of this gene in postmenopausal osteoporosis. Alternatively spliced transcript variants encoding different isoforms have been found 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.