



Recombinant Human Rhotekin (RTKN)

Product Code	CSB-EP020565HU-B
Abbreviation	RTKN
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.	Q9BST9
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MFSRNHRSRV TVARGSALEM EFKRGRFRLS LFSDLPEDTE LQRKLDHEIR MREGACKLLA ACSQREQALE ATKSLVCNS RILSYMGELQ RRKEAQLGK TSRRPSDSGP PAERSPCRGR VCISDLRIPL MWKDTEYFKN KGDHLRWAVF LLLQLGEHIQ DTEMILVDRT LTDISFQSNV LFAEAGPDFE LRLELYGACV EEEGALTGGP KRLATKLSSS LGRSSGRRVR ASLDSAGGSG SSPILLPTPV VGGPRYHLLA HTTLTAAVQ DGFRTDHLTL ASHEENPAWL PLYGSVCCRL AAQPLCMTQP TASGTLRVQQ AGEMQNWAQV HGVKGTNLF CYRQPEDADT GEEPLLIAV NKETRVRAGE LDQALGRPFT LSISNQYGDD EVTHTLQTES REALQSWMEA LWQLFFDMSQ WKQCCDEIMK IETPAPRKPP QALAKQGSly HEMAIEPLDD IAAVTDILTQ REGARLETPP PWLAMFTDQP ALPNPCSPAS VAPAPDWTHP LPWGRPRTFS LDAVPPDHSP RARSVAPLPP QRSRTRGLC SKGQPRTWLQ SPV
Source	E.coli
Target Names	RTKN
Protein Names	Recommended name: Rhotekin
Expression Region	1-563
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	This gene encodes a scaffold protein that interacts with GTP-bound Rho proteins. Binding of this protein inhibits the GTPase activity of Rho proteins. This protein may interfere with the conversion of active, GTP-bound Rho to the inactive GDP-bound form by RhoGAP. Rho proteins regulate many important cellular processes, including cytokinesis, transcription, smooth muscle contraction, cell growth and transformation. Dysregulation of the Rho signal transduction pathway has been implicated in many forms of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms.

**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.