



# Recombinant Human Rhotekin (RTKN)

<b>Product Code</b>	CSB-EP020565HU
<b>Abbreviation</b>	RTKN
<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>	Q9BST9
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	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 DGFRT HDLTL ASHEENPAWL PLYGSVCCRL AAQPLCMTQP TASGTLRVQQ AGEMQNWAQV HGV LKGTNLF CYRQPEDADT GEEPLLIAV NKETRVRAGE LDQALGRPFT LSISNQYGDD EVTHTLQTES REALQSWMEA LWQLFFDMSQ WKQCCDEIMK IETPAPRKPP QALAKQGS LY HEMAIEPLDD IAAVTDILTQ REGARLETPP PWLAMFTDQP ALPNPCSPAS VAPAPDWTHP LPWGRPRTFS L DAVPPDHSP RARSVAPLPP QRSRTRGLC SKGQPRTWLQ SPV
<b>Source</b>	E.coli
<b>Target Names</b>	RTKN
<b>Protein Names</b>	Recommended name: Rhotekin
<b>Expression Region</b>	1-563
<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>	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**

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