



# Recombinant Rat Growth factor receptor-bound protein 10 (Grb10)

<b>Product Code</b>	CSB-EP009887RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P0CE43
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNNDINSSVE SLNSACNMQS DTDVPLEN GQSASNQPSA SSSRGQPQAS PRQKMQRSQP VHIQPLRRLQ EEDQQLRTSS LPAIPNPFPE LAGGAPGSPP SVAPSSLPPP PSQPPAKHFP PGFQLAKLTR PGLWTKTTAR FSKRQPKNQC QTDATANAVSR IPTSQMEKLR LRKDVKFVSE DGTSKVV EIL TDMTARDLCQ LLVYKSHCVD DNSWTLVEHH PQLGLERCLE DHEIVVQVES TMPSESKFLF RKNYAKYEFF KNPVNFFPDQ MVTWCQQSNG GQAQLLNFL NSSSCPEIQG FLQVKEVGRK SWKKLYVCLR RSGLYYSTKG TSKEPRHLQL LADLEESSIF YLIAGKKQYN APNEHGMCIK PNKAKIEMKE LRLCAEDEQ IRTCWMTAFR LLKYGMLLYQ NYRIPQQRKG LAPPFNAPMR SVSENSLVAM DFSGQIGRVI DNPAEAQSAA LEEGHAWRKR STRMNILSSQ SPLHPSTLNS VIHRTQHWFH GRISREESHRIKQQGLVDG LFLLRDSQSN PKAFVLTCH QQKIRNFQIL PCEDDGQTF TLDGNTKFS DLIQLVDFYQ LNKGVLPCKL KHH CIRVAL
<b>Source</b>	E.coli
<b>Target Names</b>	Grb10
<b>Protein Names</b>	Recommended name: Growth factor receptor-bound protein 10 Alternative name(s): GRB10 adapter protein
<b>Expression Region</b>	1-599
<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>	The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with insulin receptors and insulin-like growth-factor receptors. Overexpression of some isoforms of the encoded protein inhibits tyrosine kinase activity and results in growth suppression. This gene is imprinted in a highly isoform- and tissue-specific manner. Alternatively spliced transcript variants encoding different isoforms have been identified.
<b>Reconstitution</b>	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.