



# Recombinant Human Growth factor receptor-bound protein 14 (GRB14)

<b>Product Code</b>	CSB-YP009888HU
<b>Abbreviation</b>	GRB14
<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>	Q14449
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	TTSLQDGQS AASRAAARDS PLAAQVCGAA QGRGDAHDLA PAPWLHARAL LPLPDGTRGC AADDRKKKDL DVPEMPSIPN PFPELCCSPF TSVLSADLFP KANSRKKQVI KVYSEDETSR ALDVPSDITA RDVCQLLILK NHYIDDHSWT LFEHLPHIGV ERTIEDHELV IEVLSNWGIE EENKLYFRKN YAKYEFFKNP MYFFPEHMVS FATETNGEIS PTQILQMFLS SSTYPEIHGF LHAKEQGKKS WKKIYFFLRR SGLYFSTKGT SKEPRHLQFF SEFGNSDIYV SLAGKKKHGA PTNYGFCFKP NKAGGPRDLK MLCAEEEQSR TCWVTAIRLL KYGMQLYQNY MHPYQGRSGC SSQSISPMRS IENSLVAMD FSGQKSRVIE NPTEALSVAV EEGLAWRKKG CLRLGTHGSP TASSQSSATN MAIHRSQPWF HHKISRDEAQ RLIIQQGLVD GVFLVRDSQS NPKTFVLSMS HGQKIKHFQI IPVEDDGEMF HTLDDGHTRF TDLIQLVEFY QLNKGVLPCK LKHYCARIAL
<b>Source</b>	Yeast
<b>Target Names</b>	GRB14
<b>Protein Names</b>	Recommended name: Growth factor receptor-bound protein 14 Alternative name(s): GRB14 adapter protein
<b>Expression Region</b>	2-540
<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 of Mature 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. This protein likely has an inhibitory effect on receptor tyrosine kinase signaling and, in particular, on insulin receptor signaling. This gene may play a role in signaling pathways that regulate growth and metabolism. Transcript variants have been



reported for this gene, but their full-length natures have not been determined to date.

---

**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.