



# Recombinant Rat GRB2-associated-binding protein 2 (Gab2)

<b>Product Code</b>	CSB-EP875341RA
<b>Abbreviation</b>	Gab2
<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>	Q9EQH1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSGGGGDDVV CTGWLRKSP EKKLRRYAWK KRWFILRSGR MSGDPDVLEY YKNEHKKPL RIINLNFCEQ VDAGLTFNKK ELQDSFVFDI KTSERTFYLV AETEADMNKW VQSICQICGF NQAEESTDSL RNLSSASHGP RSSPAEFSSS QHLLRERKSS APSHSSQPTL FTFEPPMTSH MQPALSTSAP QEYLYLHQCI SRRTENS RSA SFSQGTRQKS DTAVQKLAQS NGHCINGVSN QVHGFYSLPK PSRHNTFEKD STYDLPRSLA SHGHTKSSLT GSETDNEDVY TFKMPSNTLC REFGDLLVDN MDVPTTPLSA YQIPRTFTLD KNHNAMTVAT SGDSAIAPPP RPPKPSQAET PRWGSPQQKP PIGENSRSVA ATIPRRNTLP AMDNSRLHRA SSCETYEYPT RSGGESASWS AESPGKTAVG RSDSASSDEN YVPMNPGSST LLAMERAGDN SQSAYIPMGP GPHHFDPLGY PSTALPIHRG PSRGSEIQPP PVNRNLK PDR KAKPTPLDLR NNTVIDELPF KSPVTKSWR INHTFNSSSS QYCRPISTQS ITSTDSGDSE ENYVPMQNPV SASPVPSGTN SPAPRKSTGS VDYLALDFQP GSPSPHRKPS TSSVTSDEKV DYVQVDKEKT QALQNTMQEW TDVRQSSEPS KGAKL
<b>Source</b>	E.coli
<b>Target Names</b>	Gab2
<b>Protein Names</b>	Recommended name: GRB2-associated-binding protein 2 Alternative name(s): GRB2-associated binder 2 Growth factor receptor bound protein 2-associated protein 2
<b>Expression Region</b>	1-665
<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 is a member of the GRB2-associated binding protein (GAB) gene family. These proteins contain pleckstrin homology (PH) domain, and bind SHP2 tyrosine phosphatase and GRB2 adapter protein. They act as adapters for



transmitting various signals in response to stimuli through cytokine and growth factor receptors, and T- and B-cell antigen receptors. This protein is the principal activator of phosphatidylinositol-3 kinase in response to activation of the high affinity IgE receptor. Two alternatively spliced transcripts encoding different isoforms have been described 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.