



# Recombinant Rat Interferon-induced guanylate-binding protein 2 (Gbp2)

<b>Product Code</b>	CSB-MP717403RA
<b>Abbreviation</b>	Gbp2
<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>	Q63663
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MASEIHMLQP MCLIENEAH LVINQEALRI LSAINQPVVV VAIVGLYRTG KSYLMNKLKAG KRTGFSLGST VQSHTKGIWM WCVPHPKKAG QTLVLLDTEG LEDVEKGDNQ NDCWIFALAV LLSSTFVYNS MGTINQQAMD QLHYVTELT LIKSKSSPDQ SGIDDSANFV GFFPTFWAL RDFSLELEVN GKLVTPEYL EHSLLTKKGA DKKTKSFNEP RLCIRKFFPK RLCFIFDRPA LKQLCKLET LGEEELCSEF VEQVAEFTSY IFSYSAVKTL SGGIIVNGPR LKSLVQTYVG AISSGSLPCM ESAVLTLAQI ENSAAVQKAI THYEEQMNMK IQMPTETLQE LLDLHRLIER EAIEIFLKNK FKVVDQKFQT ELGNLLISKR DAFIKKNSDV SSAHCSDLIE DIFGPLEEEV KQGTFSKPGG YFLFLQMRQE LEKKYNQAPG KGLEAEAVLK KYFESKEDIV ETLLKTDQSL TEAAKEIEVE RIKAEAEAA NRELAEKQEK FELMMQKKEE SYQEHVRQLT EKMKEEQKKL IEEQDNIAL KLREQEKFLR EGYENESKKL LREIENMKRR QSPGKC
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Gbp2
<b>Protein Names</b>	Recommended name: Interferon-induced guanylate-binding protein 2 Alternative name(s): GTP-binding protein 2 Short name= GBP-2 Guanine nucleotide-binding protein 2 p67
<b>Expression Region</b>	1-586
<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>	Interferons are cytokines that have antiviral effects and inhibit tumor cell proliferation. They induce a large number of genes in their target cells, including those coding for the guanylate-binding proteins (GBPs). GBPs are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP). This protein is a GTPase that converts GTP to GDP and GMP.



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**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.

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