



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

Product Code	CSB-EP717403RA
Abbreviation	Gbp2
Storage	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.
Uniprot No.	Q63663
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MASEIHMLQP MCLIENEAH LVINQEALRI LSAINQPVVV VAIVGLYRTG KSYLMNKLKAG KRTGFSLGST VQSHTKGIWM WCVPHPKKAG QTLVLLDTEG LEDVEKGDNQ NDCWIFALAV LLSSTFVYNS MGTINQQAMD QLHYVTELT LIKSKSSPDQ SGIDDSANFV GFFPTFWAL RDFSLELEVN GKLVTPEYL EHSLTLKKGGA DKKTKSFNEP RLCIRKFFPK RLCFIFDRPA LKQLCKLET LGEEELCSEF VEQVAEFTSY IFSYSAVKTL SGGIIVNGPR LKSLVQTYVG AISSGSLPCM ESAVTLAQI ENSAAVQKAI THYEEQMNQK IQMPTETLQE LLDLHRLIER EAIEIFLKNS FKDVDQKFQT ELGNLLISKR DAFIKKNSDV SSAHCSDLIE DIFGPLEEEV KQGTFSPGG YFLFLQMRQE LEKKYNQAPG KGLEAEAVLK KYFESKEDIV ETLLKTDQSL TEAAKEIEVE RIKAEAEAA NRELAEKQEK FELMMQKKEE SYQEHVRQLT EKMKEEQKKL IEEQDNIAL KLREQEKFLR EGYENESKKL LREIENMKRR QSPGKC
Source	E.coli
Target Names	Gbp2
Protein Names	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
Expression Region	1-586
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.



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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