



Recombinant Human GTP-binding protein GEM (GEM)

Product Code	CSB-EP009362HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P55040
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MTLNNVTMRQ GTVGMQPQQQ RWSIPADGRH LMVQKEPHQY SHRNRHSATP EDHCRRSWSS DSTDSVISSE SGNTYYRVVL IGEQGVGKST LANIFAGVHD SMDSDCVGLG EDTYERTLMV DGESATIILL DMWENKGENE WLHDHCMQVG DAYLIVYSIT DRASFEKASE LRIQLRRARQ TEDIPIILVG NKSDLVRCRE VSVSEGRACA VVFDCKFIET SAAVQHNVKE LFEGIVRQVR LRRDSKEKNE RRLAYQKRKE SMPRKARRFW GKIVAKNNKN MAFKCLKSKSC HDLSVL
Source	E.coli
Target Names	GEM
Protein Names	Recommended name: GTP-binding protein GEM Alternative name(s): GTP-binding mitogen-induced T-cell protein RAS-like protein KIR
Expression Region	1-296
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	This protein belongs to the RAD/GEM family of GTP-binding proteins. It is associated with the inner face of the plasma membrane and could play a role as a regulatory protein in receptor-mediated signal transduction. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been identified.
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.