



Recombinant Rat 78 kDa glucose-regulated protein (Hspa5)

Product Code	CSB-YP010827RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P06761
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	EE EDKKEDVGTV VGIDLGTTYS CVGVFKNGRV EIIANDQGNR ITPSYVAFTP EGERLIGDAA KNQLTSNPEN TVFDAKRLIG RTWNDPSVQQ DIKFLPFKVV EKKTTPYIQV DIGGGQTKTF APEEISAMVL TKMKETAEAY LGKKVTHAVV TVPAYFNDAQ RQATKDAGTI AGLNVMRIIN EPTAAAIAYG LDKREGEKNI LVFDLGGGTF DVSLLTIDNG VFEVVATNGD THLGGEDFDQ RVMEHFILY KKKTGKDVRK DNRAVQKLRR EVEKAKRALS SQHQARIEIE SFFEGEDFSE TLTRAKFEEL NMDLFRSTMK PVQKVLESD LKKSIDEIV LVGGSTRIPK IQQLVKEFFN GKEPSRGINP DEAVAYGAAV QAGVLSGDQD TGDLVLLDVC PLTLGIETVG GVMTKLIPRN TVVPTKKSQI FSTASDNQPT VTIKVEGER PLTKDNHLLG TFDLTGIPPA PRGVPQIEVT FEIDVNGILR VTAEDKGTGN KNKITITNDQ NRLTPEEIER MVNDAEKFAE EDKCLKERID TRNELESYAY SLKNQIGDKE KLGKLSPEL KETMEKAVEE KIEWLESHQD ADIEDFKAKK KELEEIVQPI ISKLYGSGGP PPTGEEDTSE KDEL
Source	Yeast
Target Names	Hspa5
Protein Names	Recommended name: 78 kDa glucose-regulated protein Short name= GRP-78 Alternative name(s): Heat shock 70 kDa protein 5 Immunoglobulin heavy chain-binding protein Short name= BiP Steroidogenesis-activator polypeptide
Expression Region	19-654
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 of Mature Protein
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.