



Recombinant Mouse Peptidyl-prolyl cis-trans isomerase FKBP5 (Fkbp5)

Product Code	CSB-EP723740MO
Abbreviation	Fkbp5
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.	Q64378
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MTTDEGTSNN GENPAATMTE QGEDITTKKD RGVLKIVKRV GTSDEAPMFG DKVYVHYKGM LSDGKKFDSS HDRKKPFAFS LGQGQVIKAW DIGVSTMKKG EICHLCKPE YAYGSAGHLQ KIPSNATLFF EIELLDFKGE DLFEDSGVIR RIKRKGEGYS NPNEGATVKV HLEGCCGGRT FDCRDVVFVV GEGEDHDIPI GIDKALVKMQ REEQCILYLG PRYGFGEAGK PKFGIDPNAE LMYEVTLSF EKAKESWEMD TKEKLTQAAI VKEKGTVYFK GGKYTQAVIQ YRKIVSWLEM EYGLSEKESK ASESFLAAF LNLAMCYLKL REYNKAVECC DKALGLDSAN EKGLYRRGEA QLLMNDFESA KGDFEKVLAV NPQNRAARLQ ISMCQRKAKE HNERDRRVYA NMFKKFAERD AKEEASKAGS KKAVEGAAGK QHESQAMEEG KAKGHV
Source	E.coli
Target Names	Fkbp5
Protein Names	Recommended name: Peptidyl-prolyl cis-trans isomerase FKBP5 Short name= PPlase FKBP5 EC= 5.2.1.8 Alternative name(s): 51 kDa FK506-binding protein Short name= 51 kDa FKBP Short name= FKBP-51 FK506-binding protein 5
Expression Region	1-456
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 is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It is thought to mediate calcineurin inhibition. It also interacts functionally with mature hetero-oligomeric progesterone receptor complexes along with the 90 kDa heat shock protein and P23 protein. This gene has been found to have multiple polyadenylation sites.



Alternative splicing results in multiple transcript variants.

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.