



Recombinant Rat Fructose-1,6-bisphosphatase 1 (Fbp1)

Product Code	CSB-YP008459RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P19112
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	VDHAPFETD ISTLTRFVLE EGRKAGGTGE MTQLLNSLCT AIKAISSAVR QAGIAQLYGI AGSTNVTGDQ VKKLDILSND LVINMLKSSY ATCVLVSEED THAIIIEPEK RGKYVVC FDP LDGSSNIDCL ASIGTIFGIY RKTSANEPSE KDALQPGRNL VAAGYALYGS ATMLVLAMNC GVNCFMLDPS IGEFILVDRD VKIKKKGNIY SINEGYAKDF DPAINEYIQR KKFPPDNSAP YGARYVGS MV ADVHRTL VYG GIFLYPANKK NPSGKLRLLY ECNPIAYVME KAGGLATTGN EDILDIVPTE IHQKAPVIMG STEDVQEFLE IYNKDKAKSR PSLPLPQSRA RESPVHSICD ELF
Source	Yeast
Target Names	Fbp1
Protein Names	Recommended name: Fructose-1,6-bisphosphatase 1 Short name= FB Pase 1 EC= 3.1.3.11 Alternative name(s): D-fructose-1,6-bisphosphate 1- phosphohydrolase 1
Expression Region	2-363
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
Target Details	Fructose-1,6-bisphosphatase 1, a gluconeogenesis regulatory enzyme, catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. Fructose-1,6-diphosphatase deficiency is associated with hypoglycemia and metabolic acidosis.
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.