



Recombinant Candida albicans Fructose-bisphosphate aldolase (FBA1)

Product Code	CSB-EP891473CZD
Abbreviation	Recombinant Candida albicans FBA1 protein
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.	Q9URB4
Product Type	Recombinant Proteins
Immunogen Species	Candida albicans (strain SC5314 / ATCC MYA-2876) (Yeast)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	APPAVLKSGVIYGKDVKDLFDYAQEKGFaipainvtssstvvaaaleaardnka PIILQTSQGGAAYFAGKGVNDKDAQASIAGSIAAAHYIRAIPTYGIPVVLHTDH CAKLLPWFDGMLKADEEFFAKTGTPLFSSHMLDLSEETDDENIATCAKYFER MAKMGQWLEMEIGITGGEEDGVNNEHVEKDALYTSPETVFAVYESLHKISPNF SIAAAGNVHGVYKPGNVQLRPEILGDHQVYAKKQIGTDAKHPLYLVFHGGSG STQEEFNIAKNGVVKVNLDTDCQYAYLTGIRDYVTNKIEYLKAPVGNPEGADK PNKKYFDPRVWVREGEKTMSKRIAEALDIFHTKGQL
Research Area	Others
Source	E.coli
Target Names	FBA1
Protein Names	Recommended name: Fructose-bisphosphate aldolase Short name= FBP aldolase Short name= FBPA EC= 4.1.2.13 Alternative name(s): 37 kDa major allergen Fructose-1,6-bisphosphate aldolase IgE-binding allergen
Expression Region	2-359aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	46.5 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Expressing the recombinant *Candida albicans* (strain SC5314 / ATCC MYA-2876) FBA1 protein in *e.coli* cells involves inserting a DNA fragment encoding the *Candida albicans* (strain SC5314 / ATCC MYA-2876) FBA1 protein (2-359aa) into a plasmid vector and transferring it to the *e.coli* cells. Positive cells are screened, cultured, and induced to express the FBA1 protein. The protein carries a N-terminal 10xHis tag and C-terminal Myc tag. The cells are lysed to collect the recombinant *Candida albicans* (strain SC5314 / ATCC MYA-2876) FBA1 protein, which is purified through affinity purification and then identified using SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the resulting recombinant *Candida albicans* (strain SC5314 / ATCC MYA-2876) FBA1 protein exceeds 85%.

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.