

Recombinant Full Length Human FBP1 Protein, C-Flag-tagged

Cat. No. FBP1-863HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FBP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	36.7 kDa
AA Sequence	MADQAPFDTDVNTLTRFVMEEGRKARGTGELTQLLNSLCTAVKAISSAVRKAGIAHL YGIAGSTNVTGDQ VKKLDVLSNDLVMNMLKSSFATCVLVSEEDKHAIIVEPEKRGKY VVCFDPLDGSSNIDCLVSVGTIFGIY RKKSTDEPSEKDALQPGRNLVAAGYALYGSA TMLVLAMDCGVNCFMLDPAIGEFILVDKDVKIKKKGKIY SLNEGYARDFDPAVTEYIQ RKKFPPDNSAPYGARYVGSMAVADVHRTLVIYGGIFLYPANKKSPNGKLRLLY ECNPMAYVMEKAGGMATTGKEAVLDVIPTDIHQRAPVILGSPDDVLEFLKVYEKHS A QTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, Pentose phosphate pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	FBP1 fructose-bisphosphatase 1 [Homo sapiens (human)]
Official Symbol	FBP1
Synonyms	FBP
Gene ID	2203
mRNA Refseq	NM_000507.4
Protein Refseq	NP_000498.2

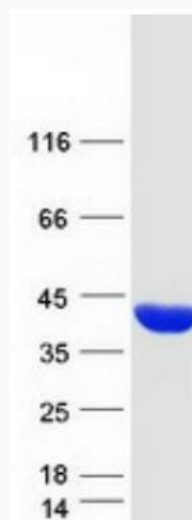
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MIM 611570

UniProt ID P09467



Coomassie blue staining of purified FBP1 protein.

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