

## Product datasheet for TP304461M

### FBP1 (NM\_000507) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fructose-1,6-bisphosphatase 1 (FBP1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204461 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MADQAPFDTDVNTLTRFVMEEGRKARGTGELTQLLNSLCTAVKAISSAVRKAGIAHLYGIAGSTNVTGDQ  
VKKLDVLSNDLVMNMLKSSFATCVLVSEEDKHAIIVEPEKRGKYVVCDFPLDGSSNIDCLVSVGTIFGIY  
RKKSTDEPSEKDALQPGRNLVAAGYALYGSATMLVLAMDGVCNCFMLDPAIGEFILVDKDKVKKKGGKIY  
SLNEGYARDFDPAVTEYIQRKKFPPDNSAPYGARYVGSVMADVHRTLTVYGGIFLYPANKKSPNGKLRLLY  
ECNPMAYVMEKAGGMATTGKEAVLDVIPTDIHQRAPVILGSPDDVLEFLKVYEKHSQAQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	36.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_000498</a>
Locus ID:	2203



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UniProt ID: [P09467](#)

RefSeq Size: 1647

Cytogenetics: 9q22.32

RefSeq ORF: 1014

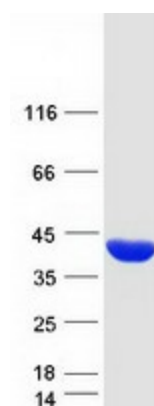
Synonyms: FBP

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, Pentose phosphate pathway

### Product images:



Coomassie blue staining of purified FBP1 protein (Cat# [TP304461]). The protein was produced from HEK293T cells transfected with FBP1 cDNA clone (Cat# [RC204461]) using MegaTran 2.0 (Cat# [TT210002]).