

## Product datasheet for PH304461

### FBP1 (NM\_000507) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FBP1 MS Standard C13 and N15-labeled recombinant protein (NP_000498)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204461
Predicted MW:	36.8 kDa
Protein Sequence:	>RC204461 protein sequence Red=Cloning site Green=Tags(s)  MADQAPFDTDVNTLTRFVMEGRKARGTGELTQLLNSLCTAVKAISSAVRKAGIAHLYGIAGSTNVTGDQ YKKLDVLSNDLVMNMLKSSFATCVLVSEEDKHAIIVEPEKRGKYVCFDPLDGSSNIDCLVSVGTIFGIY RKKSTDEPSEKDALQPGRNLVAAGYALYGSATMLVLMDCGVNCFMLDPAIGEFILVDKDVKIKKKGKIY SLNEGYARDFDPAVTEYIQRKKFPPDNSAPYGARYVGSMAVDVHRTL VYGGIFLYPANKKSPNGKLRLLY ECNPMAYMEKAGGMATTGKEAVLDVIPTDIHQRAPVILGSPDDVLEFLKVYEKHSQAQ  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000498</a>
RefSeq Size:	1647
RefSeq ORF:	1014
Synonyms:	FBP
Locus ID:	2203



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UniProt ID: [P09467](#)

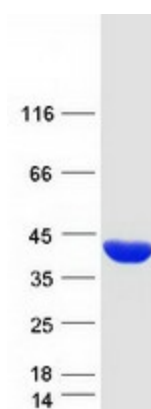
Cytogenetics: 9q22.32

**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]).