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Product datasheet for PH321146

FBP2 (NM_003837) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FBP2 MS Standard C13 and N15-labeled recombinant protein (NP_003828)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221146
Predicted MW:	36.8 kDa
Protein Sequence:	>RC221146 protein sequence Red=Cloning site Green=Tags(s) MTDRSPFETDMLTLTRYVMEKGRQAKGTGELTQLLNSMLTAIKAISSAVRKAGLAHLYGIAGSVNVTGDE VKKLDVLSNSLVINMLQSSYSTCVLVSEENKDAIITAKEKRGKYVVCFDPLDGSSNIDCLASIGTIFAIY RKTSEDEPSEKDALQCGRNIVAAGYALYGSATLVALSTGQGVDLFMLDPALGEFVLVEKDVKIKKKGKIY SLNEGYAKYFDAATTEYVQKKKFPEDGSAPYGARYVGSMVADVHRTLVYGGIFLYPANQKSPKGKLRLLY ECNPVAYIIEQAGGLATTGTQPVLDVKPEAIHQRVPLILGSPEDVQEYLTCVQKNQAGS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_003828
RefSeq Size:	1367
RefSeq ORF:	1017
Locus ID:	8789
UniProt ID:	O00757

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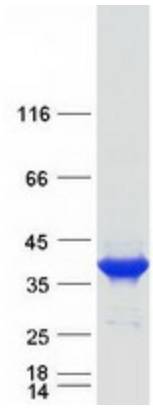
Cytogenetics: 9q22.32

Summary: This gene encodes a gluconeogenesis regulatory enzyme which catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

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

Product images:



Coomassie blue staining of purified FBP2 protein (Cat# [TP321146]). The protein was produced from HEK293T cells transfected with FBP2 cDNA clone (Cat# [RC221146]) using MegaTran 2.0 (Cat# [TT210002]).