

## Product datasheet for PH314772

### CABYR (NM\_012189) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CABYR MS Standard C13 and N15-labeled recombinant protein (NP_036321)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214772
Predicted MW:	52.6 kDa
Protein Sequence:	>RC214772 representing NM_012189 Red=Cloning site Green=Tags(s)

MISSKPRLVVPYGLKTLLEGISRAVLKTNPSNINQFAAAFYQELTMYRGNTTMDIKDLVKQFHQIKVEKW  
SEGTTTPQKLECLKEPGKTSVESKVPTQMEKSTDTDEDNVTRTEYSDKTTQFPSVYAVPGTEQTEAVGGL  
SSKPATPKTTTPSSPPPTAVSPEFAYVPADPAQLAAQMLGKVSSIHSQSDVLMVDVATSMPPVVIKEVP  
SSEAAEDVMVAAPLVCSGKVLEVQVYNQTSVHVDLGSQPKENEAEPESTASSVPLQDEQEPAYDQAPEVT  
LQADIEVMSTVHISSVYNDVPVTEGVVYIEQLPEQIVIPFTDQVACLKENEQSKENEQSPRVSPKSVVEK  
TTSGMSSKSVESVKLAQLEENAKYSSVYMEAEATALLSDTSLKGQPEVPAQLLDAEGAIGSEKSLHLE  
VEITSIVSDNTGQEESEGENSVQEMEGKPVLSGEAAEAHVHSGTSVKSSSGPFPPAPEGLTAPEIEPEGES  
TAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

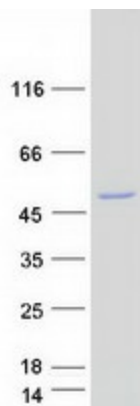
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</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_036321</a>
RefSeq Size:	2333
RefSeq ORF:	1479



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<b>Synonyms:</b>	CABYRa; CABYRc; CABYRc/d; CABYRe; CBP86; CT88; FSP-2; FSP2
<b>Locus ID:</b>	26256
<b>UniProt ID:</b>	<a href="#">O75952</a> , <a href="#">A0A024RC21</a>
<b>Cytogenetics:</b>	18q11.2
<b>Summary:</b>	To reach fertilization competence, spermatozoa undergo a series of morphological and molecular maturational processes, termed capacitation, involving protein tyrosine phosphorylation and increased intracellular calcium. The protein encoded by this gene localizes to the principal piece of the sperm flagellum in association with the fibrous sheath and exhibits calcium-binding when phosphorylated during capacitation. A pseudogene on chromosome 3 has been identified for this gene. Alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. [provided by RefSeq, Jul 2013]

### Product images:



Coomassie blue staining of purified CABYR protein (Cat# [TP314772]). The protein was produced from HEK293T cells transfected with CABYR cDNA clone (Cat# [RC214772]) using MegaTran 2.0 (Cat# [TT210002]).