

## Product datasheet for PH323042

### PGBD1 (NM\_032507) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PGBD1 MS Standard C13 and N15-labeled recombinant protein (NP_115896)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223042
Predicted MW:	92.5 kDa
Protein Sequence:	>RC223042 protein sequence Red=Cloning site Green=Tags(s)

MYEALPGPAPENEDGLVKVKEEDPTWEQVCNSQEGSSHTQEICRLRFRHFCYQEAHGPQEALACLRELCH  
QWLRPEMHTKEQIMELLVLEQFLTILPKELQPCVKTYPLESGEEAVTVLENLETGSGDTGQQASVYIQGG  
DMHPMVAEYQGVSLQCQLLPGITTLKCEPPQRPQGNPQEVSGPVPHGSAHLQEKNPRDKAVVPVFN  
VRSQTLVKTEETAQAVAAEKWSHLSL TRRNLCGNSAQETVMSLSPMTEEIVTKDRLFKAQETSEEMEQ  
SGEASGKPNRECAPQIPCSTPIATERTVAHLNLTLDKDRHPGDLWARMHISSEYAAGDITRKGKDKARV  
SELLQGLSFGSDSVEKDNEPEIQPAQKCLKVSCFPEKSWTKRDIKPNFSPWSALDSGLLNKSEKLN  
ELFELFFDDETFNLIVNETNNYASQKNVSEVTVQEMRCVFGVLLLSGFMRHPRREMYWEVSDTDQNLVR  
DAIRRRDFELIFSNLHFADNGHLDQKDKFTKLRPLIKQMNKNFLLYAPLEEYCFDKSMCECFDSDQFLN  
GKPIRIGYKIWCGTTTQGYLVWFEPYQEESTMKVDEDPDLGLGGNLVMNFADVLLERGGQYPYHLCFDSFF  
TSVKLLSALKKKGVTRATGTIRENREKCPLMNVEHMKMKRGYDFRIEENNEIILCRWYGDGIIISLCSN  
AVGIEPVNEVSCCDADNEEIPQISQPSIVKVYDECKEGVAKMDQIISKYRVRIRSKKWYSILVSYMIDVA  
MNNAWQLHRACNPGASLDPLDFRRFVAHFYLEHNAHLS

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_115896</a>



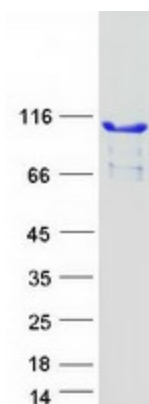
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RefSeq Size:	3135
RefSeq ORF:	2427
Synonyms:	dj874C20.4; HUCEP-4; SCAND4
Locus ID:	84547
UniProt ID:	<a href="#">Q96JS3</a>
Cytogenetics:	6p22.1

**Summary:** The piggyBac family of proteins, found in diverse animals, are transposases related to the transposase of the canonical piggyBac transposon from the moth, *Trichoplusia ni*. This family also includes genes in several genomes, including human, that appear to have been derived from the piggyBac transposons. This gene belongs to the subfamily of piggyBac transposable element derived (PGBD) genes. The PGBD proteins appear to be novel, with no obvious relationship to other transposases, or other known protein families. This gene product is specifically expressed in the brain, however, its exact function is not known. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, May 2010]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified PGBD1 protein (Cat# [TP323042]). The protein was produced from HEK293T cells transfected with PGBD1 cDNA clone (Cat# [RC223042]) using MegaTran 2.0 (Cat# [TT210002]).