Recombinant Human PGBD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PGBD1-6677H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PGBD1 MS Standard C13 and N15-labeled recombinant protein (NP_115896) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	92.5 kDa
AA Sequence	MYEALPGPAPENEDGLVKVKEEDPTWEQVCNSQEGSSHTQEICRLRFRHFCYQEA HGPQEALAQLRELCHQWLRPEMHTKEQIMELLVLEQFLTILPKELQPCVKTYPLESG EEAVTVLENLETGSGDTGQQASVYIQGQDMHPMVAEYQGVSLECQSLQLLPGITTL KCEPPQRPQGNPQEVSGPVPHGSAHLQEKNPRDKAVVPVFNPVRSQTLVKTEEET

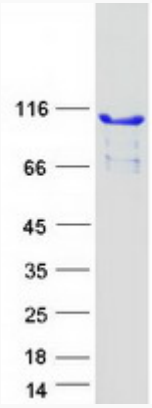
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45-1 Ramsey Road, Shirley, NY 11967, USA

	AQAVAAEKWSHLSLTRRNLCGNSAQETVMSLSPMTEEIVTKDRLFKAKQETSEEME QSGEASGKPNRECAPQIPCSTPIATERTVAHLNTLKDRHPGDLWARMHISSLEYAAG DITRKGRKKDKARVSELLQGLSFSGDSDVEKDNEPEIQPAQKKLKVSCFPEKSWTK RDIKPNFPSWSALDSGLLNLKSEKLNPVELFELFFDDETFNLIVNETNNYASQKNVSL EVTVQEMRCVFGVLLLSGFMRHPRREMYWEVSDTDQNLVRDAIRRDRFELIFSNLH FADNGHLDQKDKFTKLRPLIKQMNKNFLLYAPLEEYYCFDKSMCECFDSDQFLNGK PIRIGYKIWCGTTTQGYLVWFEPYQEESTMKVDEDPDLGLGGNLVMNFADVLLERG QYPYHLCFDSFFTSVKLLSALKKKGVRATGTIRENRTEKCPLMNVEHMKKMKRGYF DFRIEENNEIILCRWYGDGIISLCSNAVGIEPVNEVSCCDADNEEIPQISQPSIVKVYDE CKEGVAKMDQIISKYRVRIRSKKWYSILVSYMIDVAMNNAWQLHRACNPGASLDPLD FRRFVAHFYLEHNAHLSDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PGBD1 piggyBac transposable element derived 1 [Homo sapiens (human)]
Official Symbol	PGBD1
Synonyms	PGBD1; piggyBac transposable element derived 1; piggyBac transposable element-derived protein 1; dJ874C20.4; HUCEP 4; SCAND4; cerebral protein 4; cerebral

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	protein-4; HUCEP-4;
Gene ID	84547
mRNA Refseq	NM_032507
Protein Refseq	NP_115896
UniProt ID	Q96JS3
SDS-PAGE	

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