

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, <i>Trichoplusia ni</i> . 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 HGPQEALALRELCHQWLRPEMHTKEQIMELLVLEQFLTILPKELQPCVKTYPLESG EEAVTVLENLETGSGDTGQQASVYIQGQDMHPMVAEYQGVSLQCQLQLPGITTL KCEPPQRPQGNPQEVSGPVPHGSAHLQEKNPRDKAVVPVFNPVRSQTLVKTEET

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

AQAVAAEKWSHLSLTRNLCSAQETVMSLSPMTEEIVTKDRLFKAKQETSEEME
 QSGEASGKPNRECAPQIPCSTPIATERTVAHLNTLKDRHPGDLWARMHISSLEYAAG
 DITRKGKRRKDKARVSELLQGLSFSGSDVEKDNEPEIQPAQKKLVSCFPEKSWTK
 RDIKPNFPSWSALDSGLNLKSEKLNPFELFFDETFLNIVNETNNYASQKNVSL
 EVTVQEMRCVFGVLLLSGFMHRPRREMYWEVSDTDQNLVRDAIRDRFELIFSNLH
 FADNGHLDQKDKFTKLRPLIKQMNKNFLLYAPLEEYYCFDKSMCECFDSDQFLNGK
 PIRIGYKIWCSTTTQGYLVWFEPYQEESTMKVDEDPDLGLGGNLVMNFADVLLERG
 QYPYHLCFDSFSTSALKKKKGVTRATGTIRENRTEKCPMLNVEHMKMKRGYF
 DFRIEENNEILCRWYGDGIISLCSNAVGIEPVNEVSCCDADNEEIPQISQPSIVKVYDE
 CKEGVAKMDQIISKYRVRIRSKKWYSILVSYMIDVAMNNAWQLHRACNPGASLDPLD
 FRRFVAHFYLEHNAHLSDTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

protein-4; HUCEP-4;

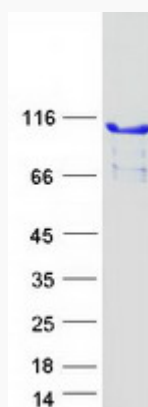
Gene ID 84547

mRNA Refseq NM_032507

Protein Refseq NP_115896

UniProt ID Q96JS3

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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