

Product datasheet for TP323042

PGBD1 (NM_032507) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human piggyBac transposable element derived 1 (PGBD1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223042 protein sequence Red=Cloning site Green=Tags(s)

MYEALPGPAPENEDGLVKVKEEDPTWEQVCNSQEGSSHTQEICRLRFRHFCYQEAHGPQEALACLRELC
 QWLRPEMHTKEQIMELLVLEQFLTILPKELQPCVKTYPLESGEEAVTVLENLETGSGDTGQQASVYIQGQ
 DMHPMVAEYQGVSLQCQLLLPGITTLKCEPPQRPQGNPQEVSGPVPHGSAHLQEKNPDKAVVPVFN
 VRSQTLVKTEETAQAVAAEKWSHLSLTRRNLGNSAQETVMSLSPMTEEIVTKDRLFKAKQETSEEMEQ
 SGEASGKPNRECAPQIPCSTPIATERTVAHLNLTLDKDRHPGDLWARMHISSLEYAAGDITRKRKKDKARV
 SELLQGLSFGSDSDVEKDNEPEIQPAQKCLKVSCFPEKSWTKRDIKPNFSPWSALDSGLLNKSEKLN
 ELFFELFFDDETFNLIVNETNNYASQKNVSLEVTVQEMRCVFGVLLSGFMRHPRREMYWEVSDTDQNL
 DAIRRRDFELIFSNLHFADNGHLDQKDKFTKLRPLIKQMNKNFLLYAPLEEYCFDKSMCECFDSDQFLN
 GKPIRIGYKIWCSTTQGYLVWFEPYQEESTMKVDEDPDLGLGGLNLMNFADVLLERQYYPYHLCFDSFF
 TSVKLLSALKKGVVRATGTIRENRTEKPLMNVHEHMKMKRKYDFRIEENNEILCRWYGDGIISLCSN
 AVGIEPVNEVSCDADNEEIPQISQPSIVKVYDECKEGVAKMDQIISKYRVRIRSKKWYSILVSYMIDVA
 MNNAWQLHRACNPGASLDPLDFRRFVAHFYLEHNAHLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

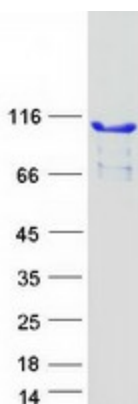
Tag:	C-Myc/DDK
Predicted MW:	92.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_115896
Locus ID:	84547
UniProt ID:	Q96J53
RefSeq Size:	3135
Cytogenetics:	6p22.1
RefSeq ORF:	2427
Synonyms:	dj874C20.4; HUCEP-4; SCAND4
Summary:	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.[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]).