

Product datasheet for PH308977

PGBD3 (NM_170753) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PGBD3 MS Standard C13 and N15-labeled recombinant protein (NP_736609)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208977
Predicted MW:	67.6 kDa
Protein Sequence:	>RC208977 protein sequence Red=Cloning site Green=Tags(s)

MPRTL~~SL~~HEITD~~LLE~~TDD~~SIE~~ASAI~~VI~~QPPENATAPV~~SDEE~~SGDEEGGTINN~~LP~~GSLLHTAAYLIQDGSD
AESD~~SDD~~PSYAPKDDSPDEVPSTFTVQ~~QPP~~SR~~RR~~KMTKILCKW~~KADL~~TVQPVAGRVTAPPNDFFTVMR
TPTEILELFLDDE~~VI~~ELIVKYSNLYACSKGVHLGLTSSEFKCFLGIIFLSGYVSV~~PRRR~~MFWEQRTDVHN
VLVSAAMRRDRFETIFSNLHVADNANLDPV~~DK~~FSKLRPLISKLN~~ERC~~MKFV~~PN~~ET~~YF~~SFDEFMV~~PY~~FGRH
GCKQFIRGKPIRFGYKFWCGATCLGYICWFQPYQ~~GKN~~PNTKHEEYGVGASLVLQFSEALTEAHPGQYHFV
FNNFFTSIALLDKLSM~~GH~~QATGTVR~~KD~~HIDKVPLESDVALKKKERGTFDYRIDGKGNIVCRW~~ND~~NSVVT
VASSGAGI~~HP~~LCLVSRYSQKLKKKI~~QV~~QPNMIK~~VYN~~QFMGGVDRADENIDKYRASIRGKKWYSSPLLFC
FELVLQNAWQLHKTYDEKPVDFLEFR~~RR~~VVCHYLETHGHPPEPGQKGR~~PQ~~KRNIDSRYDGINHVI~~VK~~QGK
QTRCAECHKNTTFRCEKCDVALHV~~KCS~~VEYHTE

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_736609
RefSeq Size:	2266
RefSeq ORF:	1779



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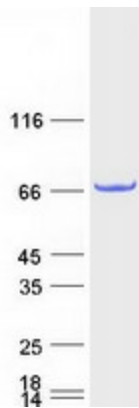
Locus ID: 267004

UniProt ID: [Q8N328](#)

Cytogenetics: 10q11.23

Summary: This gene is a member of a small family of genes derived from piggyBac transposable elements. The encoded protein contains a zinc-ribbon domain characteristic of transposon-derived proteins and may function as a regulator of transcription. Alternative splicing occurs between a splice site from exon 5 of the adjacent upstream gene 'excision repair cross-complementation group 6' (ERCC6, GenID: 2074) and the 3' splice site upstream of the open reading frame (ORF) of this gene, which activates the alternative polyadenylation site downstream of the piggyback-derived-3 ORF. The resulting transcripts encode a fusion protein that shares sequence with the product of each individual gene. Pseudogenes for this gene are defined on chromosomes 4, 5 and 12. [provided by RefSeq, Mar 2016]

Product images:



Coomassie blue staining of purified PGBD3 protein (Cat# [TP308977]). The protein was produced from HEK293T cells transfected with PGBD3 cDNA clone (Cat# [RC208977]) using MegaTran 2.0 (Cat# [TT210002]).