

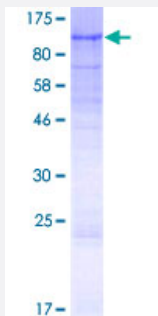
Full-Length

PGBD3 (Human) Recombinant Protein (P01)

Catalog # H00267004-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human PGBD3 full-length ORF (NP_736609.1, 1 a.a. - 593 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPRTLSLHEITDLLETDDSI EASAMIQPPENATAPVSDEESGDEEGGTINNLP GSLLHTAAYLIQDG
SDAESDSDPSYAPKDDSPDEVPSTFTVQQPPPSRRRKMTKILCKWKKADLTVQPVAGRVTAP
PNDFFTVMRTPTEILELFLDDEVIELVKYSNLYACSKGVHLGLTSSEFKCFLGIIFLSGYVSVPRRR
MFWEQRTDVHNVLVSAAMRRDRFETIFSNLHVADNANLDPVDKFSKLRPLISKLNRCMKFVFN
ETYFSFDEFMVPYFGRHGCKQFIRGKPIRFGYKFWCGATCLGYICWFQPYQGKNPNTKHEEYGVG
ASLVLQFSEALTEAHPGQYHFVFNFFTSIALLDKLSSMGHQATGTVRKDHIDKVPLESDVALKKK
ERGTFDYRIDGKGNIVCRWNDNSVVTVASSGAGIHLCLVSRYSQKLLKKIQVQQPNMIKVYNQFM
GGVDRADENIDKYRASIRGKKWYSSPLLFCFELVLQNAWQLHKTYDEKPVDFLEFRRRVVCHYLE
THGHPPEPGQKGRPQKRNIDSRVDGINHVIVKQGKQTRCAECHKNTTFRCEKCDVALHVKCSVE
YHTE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

94

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PGBD3

Entrez GeneID [267004](#)

GeneBank Accession# [NM_170753.1](#)

Protein Accession# [NP_736609.1](#)

Gene Name PGBD3

Gene Alias FLJ90201

Gene Description piggyBac transposable element derived 3

Gene Ontology [Hyperlink](#)

Gene 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 overlaps with the ERCC6 gene on chromosome 10, and pseudogenes of this locus have been found on chromosomes 4, 5 and 12. [provided by RefSeq]

Other Designations OTTHUMP00000019580|hypothetical protein LOC267004

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)