



# Recombinant Human PiggyBac transposable element-derived protein 3 (PGBD3)

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| <b>Product Code</b>      | CSB-EP818691HU-B  |
| <b>Abbreviation</b>      | PGBD3   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |
| <b>Uniprot No.</b>       | Q8N328  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MPRTLSEHEI TDLLETDDSI EASAIQPP ENATAPVSDE ESGDEEGGTI<br>NNLPGSLLHT AAYLIQDGSD AESDSDDPSY APKDDSPDEV PSTFTVQQPP<br>PSRRRKMTKI LCKWKKADLT VQPVAGRVT A PPNDFFTVMR TPTEILELFL<br>DDEVIELIVK YSNLYACSKG VHLGLTSSEF KCFLGIIFLS GYVSVPRRRM<br>FWEQRD VHN VLVSAAMRRD RFETIFSNLH VADNANLDPV DKFSKLRPLI<br>SKLNERCMKF VPNETYFSFD EFMVPYFGRH GCKQFIRGKP IRFGYKFWCG<br>ATCLGYICWF QPYQGKNPNT KHEEYGVGAS LVLQFSEALT EAHPGQYHFV<br>FNNFFTSIAL LDKLSSMGHQ ATGTVRKDHI DRVPLESDVA LKKKERGTFD<br>YRIDGKGNIV CRWNDNSVVT VASSGAGIHP LCLVSRYSQK LKKKIQVQQP<br>NMIKVYNQFM GGVD RADENI DKYRASIRGK KWYSSPLLFC FELVLQNAWQ<br>LHKTYDEKPV DFLEFRRRVV CHYLETHGHP PEPGQKGRPQ KRNIDSRYDG<br>INHVIVKQ GK QTRCAECHKN TFRCEKCDV ALHVKCSVEY HTE |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | PGBD3   |
| <b>Protein Names</b>     | Recommended name: PiggyBac transposable element-derived protein 3   |
| <b>Expression Region</b> | 1-593   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | full length protein   |
| <b>Target Details</b>    | 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   |



overlaps with the ERCC6 gene on chromosome 10, and pseudogenes of this locus have been found on chromosomes 4, 5 and 12.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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