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# Product datasheet for TP762075

## GABA A Receptor beta 3 (GABRB3) (NM_000814) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human gamma-aminobutyric acid (GABA) A receptor, beta 3 (GABRB3), transcript variant 1,Gln26-Tyr245, with N-terminal His tag, expressed in E. coli, 50ug |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | A DNA sequence encoding the region(Gln26-Tyr245) of GABRB3 |
| **Tag:** | N-His |
| **Predicted MW:** | 25.3 kDa |
| **Concentration:** | >0.05 μg/μL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **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_000805 |
| **Locus ID:** | 2562 |
| **UniProt ID:** | P28472 |
| **RefSeq Size:** | 5811 |
| **Cytogenetics:** | 15q12 |
| **RefSeq ORF:** | 1419 |
| **Synonyms:** | DEE43; ECA5; EIEE43 |

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**Summary:** This gene encodes a member of the ligand-gated ionic channel family. The encoded protein is one the subunits of a multi-subunit chloride channel that serves as the receptor for gamma-aminobutyric acid, a major inhibitory neurotransmitter of the mammalian nervous system. This gene is located on the long arm of chromosome 15 in a cluster with two other genes encoding related subunits of the family. This gene may be associated with the pathogenesis of several disorders including Angelman syndrome, Prader-Willi syndrome, nonsyndromic orofacial clefts, epilepsy and autism. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2013]

**Protein Families:** Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

## Product images: