

## Recombinant Human GABRB3 Protein, His&GST-tagged

Cat. No. GABRB3-1550H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GABRB3 Protein (Gln26-Tyr245) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln26-Tyr245
<b>Description</b>	<p>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.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 55.3 kDa Accurate Molecular Mass: 55 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	GABRB3 gamma-aminobutyric acid (GABA) A receptor, beta 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GABRB3
<b>Synonyms</b>	GABRB3; gamma-aminobutyric acid (GABA) A receptor, beta 3; gamma-aminobutyric acid receptor subunit beta-3; GABA(A) receptor; beta 3; GABA(A) receptor, beta 3; GABAA receptor beta-3 subunit; GABA(A) receptor beta-3 subunit; GABA-alpha receptor beta-2 subunit; ECA5; MGC9051;
<b>Gene ID</b>	2562
<b>mRNA Refseq</b>	NM_000814
<b>Protein Refseq</b>	NP_000805

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<b>MIM</b>	137192
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<b>UniProt ID</b>	P28472
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