Recombinant Human GABRB3 Protein, His&GST-tagged

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

SPECIFICATION

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

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	GABRB3 gamma-aminobutyric acid (GABA) A receptor, beta 3 [Homo sapiens (human)]
Official Symbol	GABRB3
Synonyms	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;
Gene ID	2562
mRNA Refseq	NM_000814
Protein Refseq	NP_000805

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MIM	137192
UniProt ID	P28472

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