

Recombinant Human GABRD Protein, His-tagged

Cat. No. GABRD-1551H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GABRD Protein (Gly21-Gly193) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly21-Gly193
Description	Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. The GABA-A receptor is generally pentameric and there are five types of subunits: alpha, beta, gamma, delta, and rho. This gene encodes the delta subunit. Mutations in this gene have been associated with susceptibility to generalized epilepsy with febrile seizures, type 5. Alternatively spliced transcript variants have been described for this gene, but their biological validity has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.2 kDa Accurate Molecular Mass: 23 kDa
Purity	> 95%

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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	GABRD gamma-aminobutyric acid (GABA) A receptor, delta [Homo sapiens (human)]
Official Symbol	GABRD
Synonyms	GABRD; gamma-aminobutyric acid (GABA) A receptor, delta; gamma-aminobutyric acid receptor subunit delta; GABA(A) receptor; delta; GABA(A) receptor, delta; GABA(A) receptor subunit delta; GABA-A receptor, delta polypeptide; EJM7; EIG10; GEFSP5; MGC45284;
Gene ID	2563
mRNA Refseq	NM_000815
Protein Refseq	NP_000806

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MIM	137163
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UniProt ID	O14764
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