

Recombinant Human GABBR1 protein, His & T7-tagged

Cat. No. GABBR1-8161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GABBR1 aa. (Val199~Gly570 (Accession# Q9UBS5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val199~Gly570
Description	This gene encodes a receptor for gamma-aminobutyric acid (GABA), which is the main inhibitory neurotransmitter in the mammalian central nervous system. This receptor functions as a heterodimer with GABA(B) receptor 2. Defects in this gene may underlie brain disorders such as schizophrenia and epilepsy. Alternative splicing generates multiple transcript variants, but the full-length nature of some of these variants has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 7.2.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.
GENE INFORMATION	
Gene Name	GABBR1 gamma-aminobutyric acid type B receptor subunit 1 [Homo sapiens (human)]
Official Symbol	GABBR1
Synonyms	GB1; GPRC3A; GABABR1; GABBR1-3; GABA-B receptor, R1 subunit; gamma-aminobutyric acid (GABA) B receptor, 1; seven transmembrane helix receptor; gamma-aminobutyric acid type B receptor subunit 1
Gene ID	2550
mRNA Refseq	NM_001319053.1

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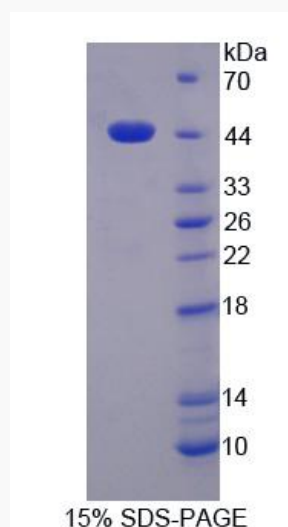
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Protein Refseq NP_001305982.1

UniProt ID Q9UBS5

SDS-PAGE



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