

# Recombinant Human GABRA3 Protein, His-tagged

**Cat. No.** GABRA3-1543H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GABRA3 Protein (Gly30-Gly276) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Gly30-Gly276                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. At least 16 distinct subunits of GABA-A receptors have been identified. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 31.7 kDa<br>Accurate Molecular Mass: 32 kDa                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                 |
| <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                                                                                                                                                                                                                                                                  |

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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**

GABRA3 gamma-aminobutyric acid (GABA) A receptor, alpha 3 [ Homo sapiens (human) ]

**Official Symbol**

GABRA3

**Synonyms**

GABRA3; gamma-aminobutyric acid (GABA) A receptor, alpha 3; gamma-aminobutyric acid receptor subunit alpha-3; GABA(A) receptor; alpha 3; GABA(A) receptor, alpha 3; GABA(A) receptor subunit alpha-3; gamma-animobutyric acid (GABA) A receptor, alpha 3; MGC33793;

**Gene ID**

2556

**mRNA Refseq**

NM\_000808

**Protein Refseq**

NP\_000799

**MIM**

305660

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