

# Recombinant Human GABRA5 protein, His-tagged

**Cat. No.** GABRA5-7845H    **Lot. No.** (See product label)

## SPECIFICATION

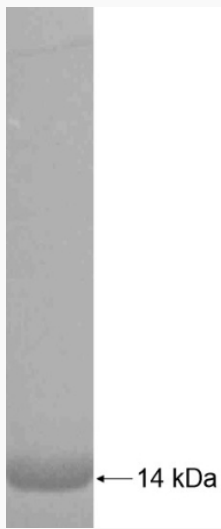
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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GABRA5 protein(356-423 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                               |
| <b>ProteinLength</b>    | 356-423 aa                                                                                                                                                                                                                                           |
| <b>Tag</b>              | N-His                                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.              |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |
| <b>AA Sequence</b>      | ALEAAKIKKKREVILNKSTNAFTTGKMSHPPNIPKEQTPAGTSNTTSVSVKPSEEKTS<br>ESKKTYSNIS                                                                                                                                                                             |

## GENE INFORMATION

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|                        |                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GABRA5 gamma-aminobutyric acid (GABA) A receptor, alpha 5 [ Homo sapiens ]                                                                                                                                       |
| <b>Official Symbol</b> | GABRA5                                                                                                                                                                                                           |
| <b>Synonyms</b>        | GABRA5; gamma-aminobutyric acid (GABA) A receptor, alpha 5; gamma-aminobutyric acid receptor subunit alpha-5; GABA(A) receptor; alpha 5; GABA(A) receptor, alpha 5; GABA(A) receptor subunit alpha-5; MGC138184; |
| <b>Gene ID</b>         | 2558                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_000810                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_000801                                                                                                                                                                                                        |
| <b>MIM</b>             | 137142                                                                                                                                                                                                           |
| <b>UniProt ID</b>      | P31644                                                                                                                                                                                                           |
| <b>SDS-PAGE</b>        |  <p>← 14 kDa</p>                                                                                                             |