

# Recombinant Full Length Human GABRG1 Protein, GST-tagged

**Cat. No.** GABRG1-5201HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GABRG1 full-length ORF ( AAH31087.1, 1 a.a. - 465 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 465 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The protein encoded by this gene belongs to the ligand-gated ionic channel family. It is an integral membrane protein and plays an important role in inhibiting neurotransmission by binding to the benzodiazepine receptor and opening an integral chloride channel. This gene is clustered with three other family members on chromosome 4. [provided by RefSeq                                                                            |
| <b>Molecular Mass</b>   | 80.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MGPLKAFLFSPFLLRSQSRGVRLVLLLLTLHLGNCVDKADDEDDEDLTVNKTWVLAP<br>KIHEGDITQILNSLLQGYDNKLRPDIGVRPTVIETDVYVNSIGPVDPINMEYTIDIIFAQT<br>WFDSRLKFNSTMKVLMLNSNMVGKIWIPDTFFRNSRKSDAHWITTPNRLRLRIWNDG<br>RVLYTLRLTINAECYLQLHNFPMDHSCPLEFSSYGYPKNEIEYKWKKPSVEVADPK<br>YWRLYQFAFVGLRNSTEITHTISGDYVIMTIFFDLSSRMGYFTIQTYIPCILTIVVLSWVS<br>FWINKDAVPARTSLGITTVLMTTLSTIARKSLPKVSYVTAMDLFVSVCFIFVFAALME<br>YGTLYFTSNQKGKTATKDRKLKNKASMTPLHPGSTLIPMNNISVPQEDDYEQCL |

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EGKDCASFFCCFEDCRTGSWREGRIHIRIAKIDSYSRIFFPTAFALFNLVYWVGYYLYL

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[GABRG1 gamma-aminobutyric acid \(GABA\) A receptor, gamma 1 \[ Homo sapiens \]](#)

**Official Symbol**

[GABRG1](#)

**Synonyms**

GABRG1; gamma-aminobutyric acid (GABA) A receptor, gamma 1; gamma-aminobutyric acid receptor subunit gamma-1; GABA(A) receptor; gamma; gamma-1 polypeptide; GABA(A) receptor, gamma; GABA(A) receptor subunit gamma-1; MGC33838; DKFZp686H2042;

**Gene ID**

[2565](#)

**mRNA Refseq**

[NM\\_173536](#)

**Protein Refseq**

[NP\\_775807](#)

**MIM**

[137166](#)

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UniProt ID

Q8N1C3

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