

# Recombinant Human GABBR2 Protein

**Cat. No.** GABBR2-4629H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GABBR2 full-length ORF (AAH35071.2) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | B-type receptors for the neurotransmitter GABA (gamma-aminobutyric acid) inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters and the activity of ion channels and adenylyl cyclase. See GABBR1 (MIM 603540) for additional background information on GABA-B receptors.[supplied by OMIM                                                                                                                                                                                                    |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 99.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MGLMPLTKEVAKGSIGRGVLPVELAIEQIRNESLLRPYFLDLRLYDTECDNAKGLKA<br>FYDAIKYGPNHLMVFGGVCPSVTSIIAESLQGWNLVQLSFAATTPVLADKKKYPYFFR<br>TVPSDNAVNPAILKLLKHYQWKRVGTLTQDVQRFSEVRNDLTGVLYGEDIEISDTES<br>FSNDPCTSVKKLKGNDVRIILGQFDQNMAAKVFCCAYEENMYGSKYQWIIPGWYEP<br>SWWEQVHTEANSSRCLRKNNLLAAMEGYIGVDFEPLSSKQIKTISGKTPQQYEREYN<br>NKRSGVGPSKFGHYAYDGIWVIAKTLQRAMETLHASSRHQRIQDFNYTDHTLGRIL<br>NAMNETNFFGVGTGQVFRNGERMGTIKFTQFQDSREVKVGEYNAVADTLEIINDTIR<br>FQGSEPPKDKTIILEQLRKISLPLYSILSALTILGMIMASAFLFFNIKNRNQKLIKMSPPY<br>MNNLIILGGMLSYSIFLFGLDGSFVSEKTFETLCTVRTWILTVGYTTAFGAMFAKTW |

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RVHAIFKNVKMKKKIHKDQKLLVIVGGMLLDLCILICWQAVDPLRRTVEKYSMEPDPA  
GRDISIRPLLEHCENTHMTIWLGVYAYKGLLMLFGCFLAWETRNVSPALNDSKYIG  
MSVYNVGIMCIIGAAVSFLTRDQPNVQFCIVALVIIFCSTITLCLVFVPKLITLRTNPDA  
TQNRRFQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLQSENHHLRMKITELDKDLE  
EVTMQLQDTPEKTTYIKQNHQELNDILNLGNFTESTDGGKAILKNHLDQNPQLQWN  
TTEPSRTCKDPIEDINSPEHIQRRSLQLPILHHAYLPSIGGVDASCVSPCVSPTASPR  
HRHVPPSFRVMVSGL

**Applications**

Antibody Production  
Functional Study  
Compound Screening

**Usage**

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

**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**

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

**Gene Name**

GABBR2 gamma-aminobutyric acid (GABA) B receptor, 2 [ Homo sapiens ]

**Official Symbol**

GABBR2

**Synonyms**

GABBR2; gamma-aminobutyric acid (GABA) B receptor, 2; G protein coupled receptor 51, GPR51; gamma-aminobutyric acid type B receptor subunit 2; GABABR2; GPRC3B; HG20; gb2; GABA-BR2; GABA-B-R2; GABA-B receptor 2; GABA-B receptor, R2 subunit; G protein-coupled receptor 51; G-protein coupled receptor 51;

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gamma-aminobutyric acid B receptor 2; GPR51; HRIHFB2099; FLJ36928;

**Gene ID** 9568**mRNA Refseq** NM\_005458**Protein Refseq** NP\_005449**MIM** 607340**UniProt ID** O75899 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA