

Recombinant Full Length Human GABBR2 Protein, GST-tagged

Cat. No. GABBR2-5178HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GABBR2 full-length ORF (AAH35071.2, 1 a.a. - 883 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	883 amino acids
Description	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
Molecular Mass	126.3 kDa
AA Sequence	MGLMPLTKEVAKGSIGRGLVPAVELAIEQIRNESLLRPYFLDLRLYDTECDNAKGLKAFYDAIKYGP NHLMVFGGVCPSVTSIIAESLQGWNLVQLSFAATTPVLADKKKYPYFFRTVPSDNAVNPAI LKLLKH YQWKRVGTLTQDVQRFSEVRNDLTGVLYGEDIEISDTESFSNDPCTSVK LKLGNDVRIILGQFDQNMAAKVFCCAYEENMYGSKYQWIIPGWYEP SWWEQVHTEANSSRCLRNLLAAMEGYIGVDFEPLSSKQIKTISGKTPQQYEREYN NKRSGVGPSKFHGYAYDGIWVI AKTLQRAMETLHASSRHQRIQDFNYTDHTLGR IILNAMNETNFFGVGTGQVFRNGERMGTIKFTQFQDSREVKVGEYNAVADTLEIINDTIR

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FQGSEPPKDKTIILEQLRKISLPLYSILSALTILGMIMASAFFNFKNRNQKLIKMSPPY
 MNLIILGGMLSYASIFLFGDGSFVSEKTFETLCTVRTWILTVGYTTAFGAMFAKTW
 RVHAIFKNVKMKKKIIKDQKLLVIVGGMLLIDLCILICWQAVDPLRRTVEKYSMEPDPA
 GRDISIRPLLEHCENTHMTIWLGIYVYKGLLMLFGCFLAWETRNVSIPALNDSKYIG
 MSVYNVGIMCIIGAAVSFLTRDQPNVQFCIVALVIIFCSTITLCLVFPKLITLRTNPDA
 TQNRRFQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLQSENHHLRMKITELDKDLE
 EVTMQLQDTPEKTTYIKQNHYQELNDILNLGNFTESTDGGKAILKNHLDQNPQLQWN
 TTEPSRTCKDPIEDINSPEHIQRRRLSLQLPILHHAYLPSIGGVDASCVSPCVSPTASPR
 HRHVPPSFRVMVSGL

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
 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](#)

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