

Product datasheet for **TP316541**

GABA A Receptor alpha 5 (GABRA5) (NM_000810) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human gamma-aminobutyric acid (GABA) A receptor, alpha 5 (GABRA5), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >Peptide sequence encoded by RC216541
Blue=ORF **Red**=Cloning site **Green**=Tag(s)

MDNGMFSGFIMIKNLLFCISMNLSHFQFSQMPTSSVKDETNDNITIFTRILDGLLDGYDNRLRPLG
ERITQVRTDIYVTSFGPVSDTEMEYDIDVFFRQSWKDERLRFKGPMLRPLNLLASKIWTPTDFFHNG
KKSIAHNMTTPNKLLRLEDDGTLTYMRLTISAECPMQLEDFPMDAHACPLKFGSYAYPNSEVVYVWTN
GSTKSVVAEDGSRLNQYHLMGQTVGTENISTSTGEYTIMTAHFHLKRKIGYFVIQTYLPCIMTVLSQ
VSFWLNRESVPARTVFGVTTVLTMTTLLSISARNSLPKVAYATAMDWFIACVAFVFSALIEFATVNYFT
KRGWAWDGKKALEAAKIKKKREVILNKSTNAFTTGKMSHPPNIPKEQTPAGTSNTTSVSVKPEEKTSE
SKKTYNSISKIDKMSRIVFPVLFGTFNLYWATYLNREPVKGAASPK
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC216541 also available, [TP316541M](#)

Tag: C-Myc/DDK

Predicted MW: 48.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

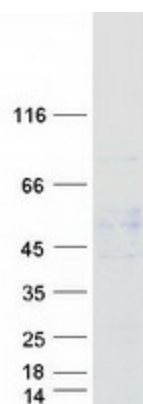
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000801</u>
Locus ID:	2558
UniProt ID:	<u>P31644</u>
RefSeq Size:	2352
Cytogenetics:	15q12
RefSeq ORF:	1386
Synonyms:	DEE79; EIEE79
Summary:	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. Transcript variants utilizing three different alternative non-coding first exons have been described. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

Product images:



Coomassie blue staining of purified GABRA5 protein (Cat# TP316541). The protein was produced from HEK293T cells transfected with GABRA5 cDNA clone (Cat# [RC216541]) using MegaTran 2.0 (Cat# [TT210002]).