

## Product datasheet for PH316541

### GABA A Receptor alpha 5 (GABRA5) (NM\_000810) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GABRA5 MS Standard C13 and N15-labeled recombinant protein (NP_000801)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216541
Predicted MW:	52.1 kDa
Protein Sequence:	>Peptide sequence encoded by RC216541 Blue=ORF Red=Cloning site Green=Tag(s)

MDNGMFSGFMIKNLLFCISMNLSHFQSMPTSSVKDETNDNITIFTRILDGLLDGYDNRRLRPLG  
ERITQVRTDIYVTSFGPVSDTEMEYIDVFFRQSWKDERLRFKQPMQRLPLNLLASKIWTPTFFHNG  
KKSIAHNMTPNKLRLLEDDGTLTYMRLTISAECPMQLEDFPMDAHACPLKFGSYAYPNSEVVYVWVN  
GSTKSVVAEDGSRNLNQYHLMGQTVGTENISTSTGEYIMTAHFHLKRGYFVIQTYLPCIMTVILSQ  
VSFVLNRESVPARTVFGVTTVL TMTTLLSISARNSLPKVAYATAMDWFIACVAFVFSALIEFATVNYFT  
KRGAWDGGKALEAAKIKKKREVILNKSTNAFTTGKMSHPPNIPKEQTPAGTSNTTSVSVKPSSEKTSE  
SKKTYNSISKIDKMSRIVFPVLFGTFLVYWATYLNREPVIKGAASPK  
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000801</a>
RefSeq Size:	2352
RefSeq ORF:	1386



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**Synonyms:** DEE79; EIEE79

**Locus ID:** 2558

**UniProt ID:** [P31644](#)

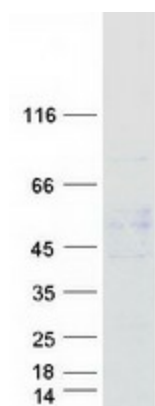
**Cytogenetics:** 15q12

**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]).