Recombinant Full Length Human CHRNB2 Protein, GST-tagged

Cat. No. CHRNB2-3242HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRNB2 full-length ORF (BAG36255.1, 1 a.a. - 502 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	502 amino acids
Description	Neuronal acetylcholine receptors are homo- or heteropentameric complexes composed of homologous alpha and beta subunits. They belong to a superfamily of ligand-gated ion channels which allow the flow of sodium and potassium across the plasma membrane in response to ligands such as acetylcholine and nicotine. This gene encodes one of several beta subunits. Mutations in this gene are associated with autosomal dominant nocturnal frontal lobe epilepsy. [provided by RefSeq, Jul 2008]
Molecular Mass	83.4 kDa
AA Sequence	MARRCGPVALLLGFGLLRLCSGVWGTDTEERLVEHLLDHSRYNKLIRPATNGSELVT VQLMVSLAQLISVHEREQIMTTNVWLTQEWEDYRLTWKPEEFDNMKKVRLPSKHIW LPDVVLYNNADGMYEVSFYSNAVVSYDGSIFWLPPAIYKSACKIEVKHFPFDQQNCT MKFRSWTYDRTEIDLVLKSEVASLDDFTPSGEWDIVALPGRRNENPDDSTYVDITYD FIIRRKPLFYTINLIIPCVLITSLAILVFYLPSDCGEKMTLCISVLLALTVFLLLISKIVPPTS

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	LDVPLVGKYLMFTMVLVTFSIVTSVCVLNVHHRSPTTHTMAPWVKVVFLEKLPALLF MQQPRHHCARQRLRLRRRQREREGAGALFFREAPGADSCTCFVNRASVQGLAGA FGAEPAPVAGPGRSGEPCGCGLREAVDGVRFIADHMRSEDDDQSVSEDWKYVAM VIDRLFLWIFVFVCVFGTIGMFLQPLFQNYTTTTFLHSDHSAPSSK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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	CHRNB2 cholinergic receptor, nicotinic, beta 2 (neuronal) [Homo sapiens]
Official Symbol	CHRNB2
Synonyms	CHRNB2; cholinergic receptor, nicotinic, beta 2 (neuronal); cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal); neuronal acetylcholine receptor subunit beta-2; acetylcholine receptor; nicotinic; beta 2 (neuronal); neuronal nicotinic acetylcholine receptor beta 2; acetylcholine receptor, nicotinic, beta 2 (neuronal); EFNL3; nAChRB2;
Gene ID	1141
mRNA Refseq	NM_000748
Protein Refseq	NP_000739

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MIM	118507
UniProt ID	P17787

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