

Recombinant Full Length Human CHRNA2 Protein, GST-tagged

Cat. No. CHRNA2-3242HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRNA2 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 LPDVVLYNNADGMYEVSFYSSNAVVSVDGSIFWLPPAIYKSACKIEVKHFPFDQQNCT MKFRSWTYDRTEIDLVLKSEVASLDDFTPSGEWDIVLPGRRNENPDDSTYVDITYD FIIRRKPLFYITINLIIPCVLITSLAILVFYLPSPDCGEKMTLCISVLLALTVFLLLISKIVPPTS

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LDVPLVGKYLMTMVLVTFIVTSVCVLNVHHRSPHTTMAPWVKVVFLEKLPALLF
 MQQPRHHCARQRLRLRRRQREREGAGALFFREAPGADSCTCFVNRASVQGLAGA
 FGAEPAPVAGPGRSGEPCGCGGLREAVDGVRFIADHMRSEDDDDQSVSEDWKYVAM
 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 [CHRNA2 cholinergic receptor, nicotinic, beta 2 \(neuronal\) \[Homo sapiens \]](#)

Official Symbol [CHRNA2](#)

Synonyms CHRNA2; 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
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UniProt ID	P17787
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