

Recombinant Human CHRNA2 Protein, GST-Tagged

Cat. No. CHRNA2-1286H **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	Wheat Germ
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 FIIRRKPLFYITINLIIPCVLITSLAILVFYLPSCDGEKMTLCISVLLALTVFLLISKIVPPTS LDVPLVGKYLMTMVLVTFISVTSVCVLNVHHRSPPTHTMAPWVKVVFLEKLPALLF MQQPRHHCARQRLRLRRRQREREGAGALFFREAPGADSCTCFVNRASVQGLAGA

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FGAEPAPVAGPGRSGEPCGCGLREAVDGVRFIADHMRSEDDDDQSVSEDWKYVAM
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

MIM

118507

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UniProt ID

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