

Recombinant Full Length Human CHRNA3 Protein, GST-tagged

Cat. No. CHRNA3-3226HF **Lot. No.** (See product label)

SPECIFICATION	
Product Overview	Human CHRNA3 full-length ORF (AAH06114.1, 1 a.a. - 489 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	489 amino acids
Description	This locus encodes a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. This locus encodes an alpha-type subunit, as it contains characteristic adjacent cysteine residues. The encoded protein is a ligand-gated ion channel that likely plays a role in neurotransmission. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2009]
Molecular Mass	79.42 kDa
AA Sequence	MSGGPLSLPLALSPPRLLLLLLLLSLLPVARASEAEHRLFERLFEDYNEIIRPVANVSDP VIIHFEVSMSQLVKVDEVNQIMETNLWLKQIWNDYKLKWNPSDYGGAEFMRVPAQKI WKPDIVLYNNAVGDFQVDDKTKALLKYTG EVTWIPPAIFKSSCKIDVTYFPFDYQNCT MKFGSWSYDKAKIDLVLIGSSMNLKDYWESGEWAIKAPGYKHDIKYNCCEEIYPDIT

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YSLYIRRLPLFYTINLIIPCLLISFLTVLVIFYLPSCGKVTLCISVLLSLTVFLLVITETIPS
 TSLVIPLIGEYLLFTMIFVTLISIVITVFVLNVHYRTPTTHTMPSWVKTVFLNLLPRVMFM
 TRPTSNEGNAQKPRPLYGAELSNLNCFSRAESKGCKEGYPCQDGMCGYCHHRIK
 ISNFSANLTRSSSESVDVLSLSALSPEIKEAIQSVKYIAENMKAQNEAKEEQKAQEI
 QQLKRKEKSTETSDQEPGL

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 [CHRNA3 cholinergic receptor, nicotinic, alpha 3 \(neuronal\) \[Homo sapiens \]](#)

Official Symbol [CHRNA3](#)

Synonyms CHRNA3; cholinergic receptor, nicotinic, alpha 3 (neuronal); cholinergic receptor, nicotinic, alpha polypeptide 3; neuronal acetylcholine receptor subunit alpha-3; acetylcholine receptor; nicotinic; alpha 3 (neuronal); neuronal nicotinic acetylcholine receptor, alpha3 subunit; LNCR2; PAOD2; NACHRA3; MGC104879;

Gene ID [1136](#)

mRNA Refseq [NM_000743](#)

Protein Refseq [NP_000734](#)

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MIM	118503
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UniProt ID	P32297
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