

Recombinant Human CHRNA3 Protein, GST-Tagged

Cat. No. CHRNA3-1280H **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	Wheat Germ
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 WKPDIVLYNNAVGFQVDDKTKALLKYTG EVTWIPPAIFKSSCKIDVTYFPFDYQNCT MKFGSWSYDKAKIDLVLIGSSMNLKDYWESGEWAIKAPGYKHDIKYNCC EEIYPDIT YSLYIRRLPLFY TINLIIPCLLISFLT VLVFYLP SDCGEKVTL CISVLLSLTVFLLVITETIPS TSLVIPLIGEYLLFTMIFVTL SIVITVFVLNVHYRTP THTMPSWVKTVFLNLLPRVMFM

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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

MIM

118503

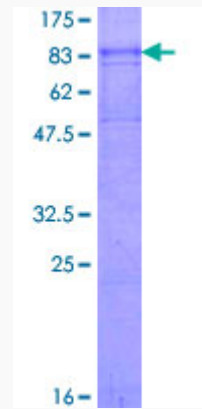
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UniProt ID

P32297

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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