Recombinant Human CHRNA5, GST-tagged

Cat. No. CHRNA5-11213H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHRNA5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	30-250a.a.
Description	The protein encoded by this gene is a nicotinic acetylcholine receptor subunit and a member of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCR2).
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	CHRNA5 cholinergic receptor, nicotinic, alpha 5 (neuronal) [Homo sapiens]

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Official Symbol	CHRNA5
Synonyms	CHRNA5; cholinergic receptor, nicotinic, alpha 5 (neuronal); cholinergic receptor, nicotinic, alpha polypeptide 5; neuronal acetylcholine receptor subunit alpha-5; acetylcholine receptor; nicotinic; alpha 5 (neuronal); acetylcholine receptor, nicotinic, alpha 5 (neuronal); neuronal nicotinic acetylcholine receptor, alpha5 subunit; Cholinergic receptor, neuronal nicotinic, alpha polypeptide-5; LNCR2;
Gene ID	1138
mRNA Refseq	NM_000745
Protein Refseq	NP_000736
MIM	118505
UniProt ID	P30532
Chromosome Location	15q24
Pathway	Acetylcholine Binding And Downstream Events, organism-specific biosystem; Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Highly calcium permeable nicotinic acetylcholine receptors, organism-specific biosystem; Highly calcium permeable postsynaptic nicotinic acetylcholine receptors, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Neuronal System, organism-specific biosystem;
Function	acetylcholine binding; acetylcholine receptor activity; acetylcholine-activated cation-selective channel activity; acetylcholine-activated cation-selective channel activity;

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	extracellular ligand-gated ion channel activity; ligand-gated ion channel activit

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