

Recombinant Human CHRND

Cat. No. CHRND-26906TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CHRND with N terminal proprietary tag; Predicted MW 37.40 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	107 amino acids
Description	The acetylcholine receptor of muscle has 5 subunits of 4 different types: 2 alpha and 1 each of beta, gamma and delta subunits. After acetylcholine binding, the receptor undergoes an extensive conformation change that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.
Molecular Weight	37.400kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids	EEERLIRHLFQEKGYNKELRPVAHKEESVDVALALTLNL ISLKEVEETLTTNVWIEH GWTDNRLKWNAAEEFGNISVLRL PPDMVWLPEIVLENNNDGSFQISYSCN
Sequence Similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Delta/CHRND sub-subfamily.
GENE INFORMATION	
Gene Name	CHRND cholinergic receptor, nicotinic, delta [Homo sapiens]
Official Symbol	CHRND
Synonyms	CHRND; cholinergic receptor, nicotinic, delta; ACHRND, cholinergic receptor, nicotinic, delta polypeptide; acetylcholine receptor subunit delta;
Gene ID	1144
mRNA Refseq	NM_000751
Protein Refseq	NP_000742
MIM	100720
Uniprot ID	Q07001
Chromosome Location	2q33-qter
Pathway	Acetylcholine Binding And Downstream Events, organism-specific biosystem; Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Highly sodium permeable acetylcholine nicotinic receptors, organism-specific biosystem;

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Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

Function

acetylcholine-activated cation-selective channel activity; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity;

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