

## Product datasheet

# Recombinant Human Nicotinic Acetylcholine Receptor alpha 5/CHRNA5 protein ab114513

[1 Image](#)

### Description

<b>Product name</b>	Recombinant Human Nicotinic Acetylcholine Receptor alpha 5/CHRNA5 protein		
<b>Expression system</b>	Wheat germ		
<b>Accession</b>	<b><u>P30532</u></b>		
<b>Protein length</b>	Protein fragment		
<b>Animal free</b>	No		
<b>Nature</b>	Recombinant		
<b>Species</b>	Human		
<b>Sequence</b>	SEPSSIAKHEDSLLKDLFQDYERWVRPVEHLNDKIKIKFGL AISQLVDVD EKNQLMTTNVWLKQEWIDVKLRWNPDDYGGIKVIRVPSD SVWTP		
<b>Predicted molecular weight</b>	36 kDa including tags		
<b>Amino acids</b>	38 to 131		

### Specifications

Our **Abpromise guarantee** covers the use of **ab114513** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA SDS-PAGE Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as Nicotinic Acetylcholine Receptor alpha 5.

### Preparation and Storage

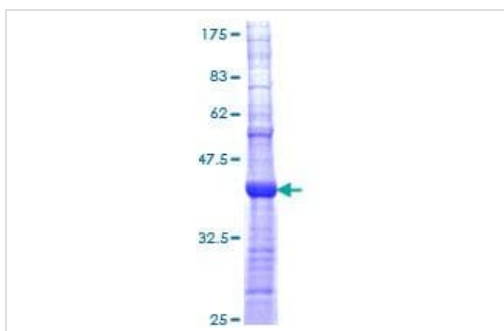
<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
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Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

<b>Function</b>	After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.
<b>Sequence similarities</b>	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Alpha-5/CHRNA5 sub-subfamily.
<b>Cellular localization</b>	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

## Images



ab114513 analysed by 12.5% SDS-PAGE and stained with Coomassie Blue.

SDS-PAGE - Recombinant Human Nicotinic  
Acetylcholine Receptor alpha 5/CHRNA5 protein  
(ab114513)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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