

PRODUCT INFORMATION

Target CHRM3

M3R, mAChR M3, ACHE2, MR3, hM3, MUSCARINIC **Synonyms**

M3 RECEPTOR

Recombinant human CHRM3 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock P20309 **Uniprot ID Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

Background

CHRM3(Met1-Gln67) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 33.2 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

CHRM3 encodes the muscarinic acetylcholine receptor M3, a G-protein coupled receptor (GPCR) that primarily couples to Gq/11 proteins, activating phospholipase C (PLC), increasing inositol triphosphate (IP3) and diacylglycerol (DAG) levels, and mobilizing intracellular Ca²⁺.

CHRM3 is widely expressed in smooth muscle, exocrine glands, pancreas, and the central nervous system, mediating smooth muscle contraction, glandular secretion, insulin release, and neuronal signaling.

Usage Research use only Conjugate Unconjugated

> Email: info@dimabio.com Website: www.dimabio.com





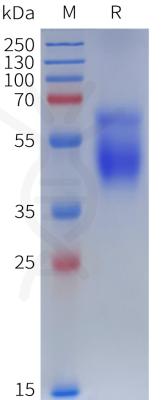


Figure 1. Human CHRM3 Protein, hFc Tag on SDS-PAGE under reducing condition.

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