

PRODUCT INFORMATION

TACR3 **Target**

NK3R; NKR; TAC3R; Neuromedin-K receptor; **Synonyms**

Neurokinin B receptor

Recombinant human TACR3 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock P29371 **Uniprot ID Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Storage & Shipping

Purity

Usage

TACR3(Met1-Arg84) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 34.5 kDa after removal of the signal peptide.

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

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 at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

TACR3 encodes the tachykinin receptor 3 (NK3 receptor), a G-protein coupled receptor (GPCR) that binds the neuropeptide neurokinin B (NKB). It primarily couples to Gq/11 proteins, activating phospholipase C (PLC), elevating intracellular Ca²⁺, and stimulating downstream MAPK and PKC signaling pathways. TACR3 is expressed in the control paragraphs and by pothology and central nervous system, hypothalamus, and

Background reproductive tissues, where it regulates neuroendocrine secretion, thermoregulation, and

reproductive hormone release. Mutations in TACR3 are associated with hypogonadotropic hypogonadism and pubertal delay, while pharmacological modulation of NK3R has therapeutic potential in menopausal hot flashes, psychiatric disorders, and neuroendocrine

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

dysfunctions.

Research use only

Conjugate Unconjugated

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China)

/+86-400-006-0995(China)





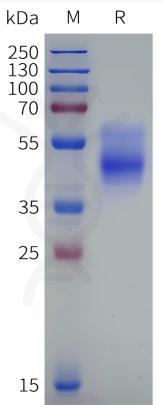


Figure 1. Human TACR3 Protein, hFc Tag on SDS-PAGE under reducing condition.

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

