

For Research Use Only

Recombinant Human TAC3 protein (rFc Tag)



Catalog Number: Eg2781

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human TAC3 protein Gln17-Glu121 (Accession# Q9UHF0-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

6866

Accession:

Q9UHF0-1

Predicted Molecular Mass:

37.2 kDa

SDS-PAGE:

38-45 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Tachykinin 3 (TAC3), also known as NKB, is a member of the tachykinin family. In humans, TAC3 is predominantly expressed in the infundibular nucleus, anterior hypothalamic area septal region, diagonal band of Broca, bed nucleus of the stria terminalis, amygdala, and neocortex. TAC3 plays an important role in mammalian growth by modulating prolactin (PRL) synthesis and secretion and by causing contraction of the stomach and intestine.

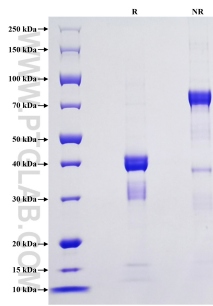
References

1. Zhang, Zhanxiong et al. *Frontiers in endocrinology* vol. 10 (2019): 556.
2. Zuo, Chenpeng et al. *Frontiers in endocrinology* vol. 13 (2022): 848808.
3. Patel, Bijal et al. *Endocrine reviews* vol. 45,1 (2024): 30-68.

Synonyms

Neurokinin-B, Neuromedin K, NKB, NKNB, PRO1155

Selected Validation Data



Purity of Recombinant Human TAC3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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