

# Recombinant human TNFRSF16/NGFR protein

Catalog Number: ATGP3197

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

29-250aa

### UniProt No.

P08138

### NCBI Accession No.

NP\_002498.1

### Alternative Names

Tumor necrosis factor receptor superfamily member 16, TNFRSF16, TNFR superfamily member 16, p75NTR, p75(NTR), NGFR, Nerve growth factor receptor, Gp80-LNGFR, CD271

## PRODUCT SPECIFICATION

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### Molecular Weight

24.6 kDa (230aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

NGFR, also known as tumor necrosis factor receptor superfamily member 16, is a member of the tumor necrosis factor receptor superfamily with a widespread pattern of expression in tissues such as the brain, liver, lung, and muscle. It plays a role in the regulation of the translocation of GLUT4 to the cell surface in adipocytes and

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skeletal muscle cells in response to insulin, probably by regulating RAB31 activity, and thereby contributes to the regulation of insulin-dependent glucose uptake. They are low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. It can mediate cell survival as well as cell death of neural cells. Recombinant human NGFR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

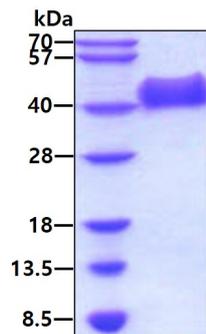
KEACPTGLYT HSGECCKACN LGEGVAQPCG ANQTVCEPCL DSVTFSDVVS ATEPCKPCTE CVGLQSMSAP CVEADDAVCR  
CAYGYQDET TGRCEACRVC EAGSGLVFSC QDKQNTVCEE CPDGTYSDEA NHVDPCLPCT VCEdTERQLR ECTRWADAEC  
EEIPGRWITR STPPEGSDST APSTQEPEAP PEQDLIASTV AGVVTTVMGS SQPVVTRGTT DN<LEHHHHHH>

## General References

Baeza-Raja B., et al. (2012) J. Neurosci. 33:10221-10234.  
Irie S., et al. (1999) FEBS Lett. 29:460:191-198.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain