Recombinant human TNFRSF16/NGFR protein

Catalog Number: ATGP3197

PRODUCT INFORMATION

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

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

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

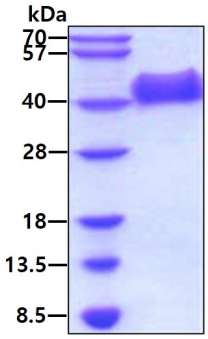
KEACPTGLYT HSGECCKACN LGEGVAQPCG ANQTVCEPCL DSVTFSDVVS ATEPCKPCTE CVGLQSMSAP CVEADDAVCR CAYGYYQDET TGRCEACRVC EAGSGLVFSC QDKQNTVCEE CPDGTYSDEA NHVDPCLPCT VCEDTERQLR ECTRWADAEC EEIPGRWITR STPPEGSDST APSTQEPEAP PEQDLIASTV AGVVTTVMGS SQPVVTRGTT DN<LEHHHHHH>

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