

Recombinant Human TrkC protein (Fc Chimera)
ab85599

2 Images

Description

Product name	Recombinant Human TrkC protein (Fc Chimera)
Purity	> 95 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	<u>Q16288</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	

Theoretical Sequence:
CPANCVCSKTEINCRPDDGNLFPLLEGQDSGNSNGNAN
INITDISRN
ITSIHIENWRS�HTLNAVDMELYTGLQKLTIKNSGLRSIQPRA
FAKNPHL
RYINLSSNRLTTLSWQLFQTLSLRELQLEQNFFNCSCDIRW
MQLWQEQGE
AKLNSQNLVCINADGSQPLFRMNISQCDLPEISVSHVNLT
VREGDNAVİ
TCNGSGSPLPDVDWİTGLQSİNHQTNLNWTNVHAINLTL
VNVTSEDNG
FTLTİCIAENVVGMSNASVALTVYPPRVVSLEEPELİLEH
CİEFVVİRGNP
PPTLHWLHNGQPLİRESKİİHVEYİQEİSEGCLLİFNKPİTH
YNNGNYTLİ
AKNPLGTANQTINGHFLKEİPFPESTDNFİLFDEVSİTPPİTV
THKPEEDG
SSNTKVDKKVEPKSCDKİHTCPPCPAPELLGGPSVFLFP
PKPKDTLMİSR
TPEİVTCVVVDVSHEDPEVKFNWYVDGVEVHNAİTKPRE
EQYNSTYRVVSV
LTVLHQDWLNGKEYKCKVSNKALPAPIEKİTİSKAKGQPRE
PQVYİTLPPSR
DELTKNQVSLTCLVKGFYPSDİAVEWESNGQPENNYİKİTTP

PVLDS DGSFF
LYSKLTVDKSRWQQGNVFSCSV MHEALHNHYTQKSLSL
PGK

Amino acids 1 to 428

Additional sequence information Fused with the Fc region of Human IgG1 at the C-terminus.

Specifications

Our **Abpromise guarantee** covers the use of **ab85599** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Functional Studies
SDS-PAGE

Form Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C.
Constituents: PBS, 1% Human serum albumin, 10% Trehalose

Reconstitution Reconstitution: It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

General Info

Function Receptor for neurotrophin-3 (NT-3). This is a tyrosine-protein kinase receptor. Known substrates for the trk receptors are SHC1, PI-3 kinase, and PLCG1. The different isoforms do not have identical signaling properties.

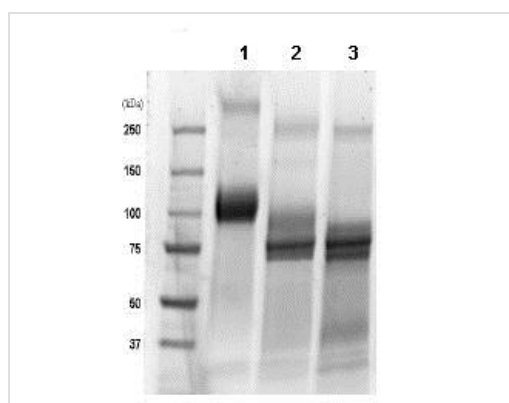
Tissue specificity Widely expressed but mainly in nervous tissue. Isoform B is expressed at higher levels in adult brain than in fetal brain.

Sequence similarities Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 2 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 protein kinase domain.

Post-translational modifications Ligand-mediated auto-phosphorylation.

Cellular localization Membrane.

Images



SDS-PAGE - Recombinant Human TrkC protein (Fc Chimera) (ab85599)

1D SDS-PAGE of ab85599 before and after treatment with glycosidases to remove oligosaccharides.

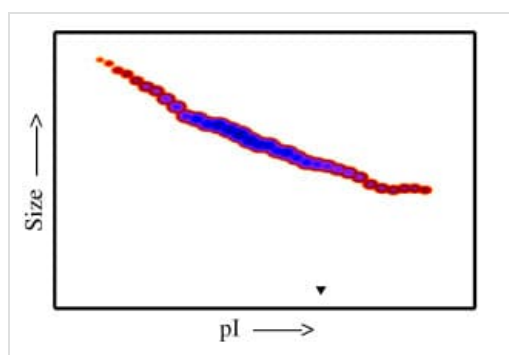
Lane 1: ab85599

Lane 2: ab85599 treated with PNGase F to remove potential N-linked glycans

Lane 3: ab85599 treated with a glycosidase cocktail to remove potential N- and O-linked glycans.

5 mg of protein was loaded per lane. Gel was stained with Deep Purple™.

Drop in MW after treatment with PNGase F indicates presence of N-linked glycans. Subsequent tightening of bands after treatment with glycosidase cocktail suggests the presence of O-linked glycans.



Functional Studies - Recombinant Human TrkC protein (Fc Chimera) (ab85599)

Densitometry of protein isoforms visualised by 2-DE.

The densitometry scan demonstrates the purified Human cell expressed protein exists in multiple isoforms, which differ according to their level of post-translational modification.

The triangle indicates the theoretical MW and pI of the protein.

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