

Product datasheet

Recombinant Mouse TrkB protein ab208479

1 Image

Description

Product name	Recombinant Mouse TrkB protein	
Purity	> 95 % SDS-PAGE. ab208479 was purified using conventional chromatography techniques.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Insect cells	
Accession	P15209	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	<p>CPTSCKCSSARIWCTEPPSPGVAFPRLPNSVDPENITEILI ANQKRLEI INEDDVEAYVGLRNLTVDSGLKFVAYKAFLKNSNLRHINFT RNKLTSL RRHFRHLDSLILTGNPFTCSCDIMWLKTLQETKSSPDT QDLYCLNESS KNMPLANLQIPNCGLPSARLAAPNLVVEEGKSVTLSCSVG GDPLPTLYWD VGNLVSKHMNETSHTQGSLRITNISSDDSGKQISCVAENLV GEDQDSVNL TVHFAPTITFLESPTSDHHWCIPFTVRGNPKPALQWFYNG AILNESKYIC TKIHVTNHTEYHGCLQLDNPTHMNGDYTLMAKNEYGKDE RQISAHFMGR PGVDYETNPNYPEVLYEDWTTPTDIGDTTNKSNEIPSTDVA DQSNREHAA ALEHHHHHH</p>	
Predicted molecular weight	46 kDa including tags	
Amino acids	32 to 429	
Tags	His tag C-Terminus	
Additional sequence information	NP_001020245.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab208479** in the following tested applications.

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

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 90% PBS, 10% Glycerol (glycerin, glycerine)

General Info

Function Receptor for brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5 but not nerve growth factor (NGF). Involved in the development and/or maintenance of the nervous system. This is a tyrosine-protein kinase receptor. Known substrates for the TRK receptors are SHC1, PI-3 kinase, and PLC-gamma-1.

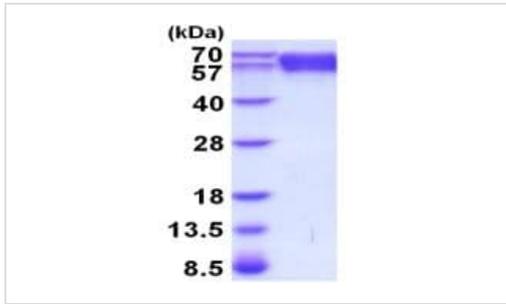
Tissue specificity Isoform TrkB is widely expressed, mainly in the nervous tissue. In the CNS, expression is observed in the cerebral cortex, hippocampus, thalamus, choroid plexus, granular layer of the cerebellum, brain stem, and spinal cord. In the peripheral nervous system, it is expressed in many cranial ganglia, the opthalmic nerve, the vestibular system, multiple facial structures, the submaxillary glands, and dorsal root ganglia. Isoform TrkB-T1 is expressed in multiple tissues, mainly in brain, pancreas, kidney and heart. Isoform TrkB-T-Shc is predominantly expressed in 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 LRRNT domain. Contains 1 protein kinase domain.

Post-translational modifications Ligand-mediated auto-phosphorylation.

Cellular localization Membrane.

Images



15% SDS-PAGE analysis of ab208479 (3µg). Molecular weight 57-70KDa (SDS-PAGE under reducing conditions.)

SDS-PAGE - Recombinant Mouse TrkB protein
(ab208479)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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