

Recombinant Human TrkB protein ab151671

製品の詳細

製品名	Recombinant Human TrkB protein
精製度	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
エンドトキシン・レベル	< 1.000 Eu/μg
発現系	HEK 293 cells
アクセッション番号	<u>Q16620</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>CPTSCCKCSASRIWCSDPSPGIVAFPRLEPNSVDPENITEIFI ANQKRLEI INEDDVEAYVGLRNLTIIVDSGLKFVAHKAFLKNSNLQHINFT RNKLTSLS RKHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAKSSPDTQD LYCLNESS KNIPLANLQIPNCGLPSANLAAPNLVVEEGKSITLSCSVAGD PVPNMYWD VGNLVSKHMNETSHTQGSLRITNISSDDSGKQISCVAENLVG EDQDSVNL TVHFAPTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAI LNEISKYIC TKIHVTNHTEYHGCLQLDNPTHMNGDYTLIAKNEYGKDEKQ ISAHFMGW PGIDDGANPN YPDVIYEDYGTAANDIGDTTNRSEIPSTDVTDKTGREHVDH HHHHH</p>
予測される分子量	45 kDa including tags
領域	32 to 430
タグ	His tag C-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab151671** in the following tested applications.

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

アプリケーション

SDS-PAGE

HPLC

製品の状態

Lyophilized

前処理および保存

保存方法および安定性

Shipped at 4°C. Store at -20°C.

pH: 7.20

Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride

再構成

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

関連情報

機能

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.

組織特異性

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.

配列類似性

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.

翻訳後修飾

Ligand-mediated auto-phosphorylation.

細胞内局在

Membrane.

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

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