

Product datasheet

Recombinant human TrkC (mutated G696C) protein (Active) ab269083

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Description

Product name	Recombinant human TrkC (mutated G696C) protein (Active)
Biological activity	The specific activity of ab269083 was 4.1 nmol/min/mg in a kinase assay using Poly (4:1 Glu, Tyr) synthetic peptide as substrate.
Purity	> 70 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q16288</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Molecular weight information	45 kDa by SDS-PAGE
Amino acids	454 to 839
Modifications	mutated G696C
Tags	His tag N-Terminus
Additional sequence information	NM_001012338

Specifications

Our **Abpromise guarantee** covers the use of **ab269083** 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	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
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pH: 7.00

Preservative: 0.68% Imidazole

Constituents: 0.82% Sodium phosphate, 1.74% Sodium chloride, 0.002% PMSF, 0.004% DTT, 25% Glycerol (glycerin, glycerine)

This product is an active protein and may elicit a biological response in vivo, handle with caution.

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.

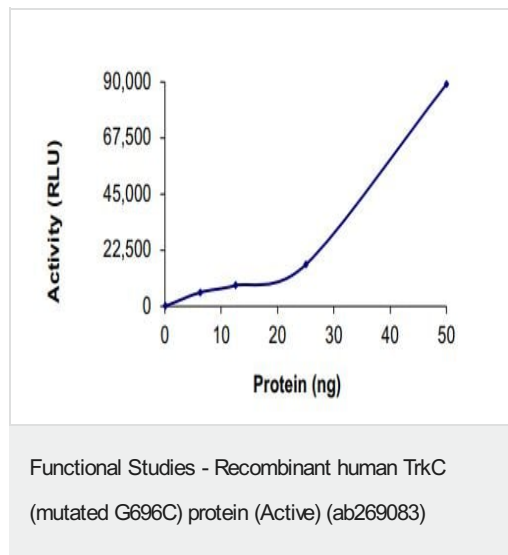
Post-translational modifications

Ligand-mediated auto-phosphorylation.

Cellular localization

Membrane.

Images



The specific activity of ab269083 was 4.1 nmol/min/mg in a kinase assay using Poly (4:1 Glu, Tyr) synthetic peptide as substrate.



SDS-PAGE analysis of ab269083.

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

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