

Rev03
Update: Dec,14,2021

DATASHEET

TrkA, Human

Cat. No.: Z03106

Product Introduction

Species	Human
Protein Construction	TrkA (Ala34-Pro407) Accession # P04629
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Biological Activity	ED ₅₀ < 1.0 μg/ml, measured in a neutralization assay in the presence of 10.0 ng/ml human β-NGF using TF-1 Cells.
Expression System	HEK 293
Apparent Molecular Weight	65~85 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Background

Target Background : Tyrosine kinase receptor A (Trk-A) is a member of the neurotrophic tyrosine kinase receptor family which includes three members: Trk-A, Trk-B and Trk-C. Trk-A is involved in the development and maturation of the central and peripheral nervous systems through regulation of proliferation, differentiation and survival of sympathetic neurons.

Synonyms : NTRK1; MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA; neurotrophic receptor tyrosine kinase 1

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.