

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Trk A, Human

Catalog Number: BK0332-10 μ g

Source: HEK 293

Quantity: 10 μ g

Description:

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.

Molecular Weight:

65~85 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 1 μ g/ml, measured in a neutralization assay in the presence of 10 ng/ml human β -NGF using TF-1 Cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

APCPDACCPHGSSGLRCTRDRGALDSLHHLPG-
GAENLTELYIENQQHLQHLELRDLR-
GLGELRNLTIVKSGLRFVAPDAFHFTPRLSRLNLS
FNALES-

LSWKTVQGLSLQELVLSGNPLHCSCALRWLQRW
EEEGLGGVPEQKLQCHGQGPLAHMPNAS-
CGVPT-
LKVQVPNASVDVGDVLLRCQVEGRGLEQAG-
WILTELEQSATVMKSGGLPSLGLT-
LANVTSDLNRKNVTCWAENDVGRAEVSQVNV
SFPASVQLHTAVEMHHWCIPFSVDGQPAPSLRWL
FNGSVLNETSFIFTEFLEPAANETVRHGCLRLNQP
THVNNGNYTLLAANPFGQASAS-
IMAAFMDNPFEPNPEDPIPVSFSPVDTNSTSGDP

Endotoxin:

< 0.2 EU/ μ g, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 μ g/ml.

Storage:

Lyophilized recombinant Human Tyrosine kinase receptor A remains stable up to 6 months at -80 $^{\circ}$ C from date of receipt. Upon reconstitution, Human Tyrosine kinase receptor A should be stable up to 1 week at 4 $^{\circ}$ C or up to 2 months at -20 $^{\circ}$ C.

Usage:

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