

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant Trk A, Human

Catalog Number: BK0332-50µg

Source: HEK 293

Quantity: 50µg

### 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 µg/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/µg, determined by LAL method.

### Reconstitution:

Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

### Storage:

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

### Usage:

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