

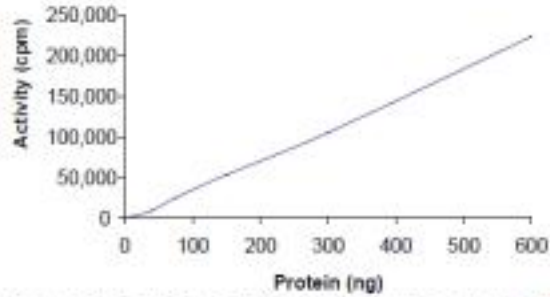
## NTRK1

### Recombinant Human Neurotrophic Tyrosine Kinase Receptor type 1 Active

<b>Catalog No.</b>	CRT012A CRT012B	<b>Quantity:</b>	5 µg 10 µg
<b>Alternate Names:</b>	DKFZp781114186, MTC, TRK, TRK1, TRKA, p140-TrkA, Oncogene TRK, high affinity nerve growth factor receptor, tyrosine kinase receptor A		
<b>Description:</b>	TRKA is a member of the trk proto-oncogene family and encodes a 140-kilodalton, membrane-spanning protein tyrosine kinase that is the functional receptor for nerve growth factor (NGF). NGF elicits the rapid phosphorylation of gp140trk on tyrosine residues leading to increased c-Fos expression, DNA synthesis and morphologic transformation. A decreased expression of TRKA on the striatal cholinergic neurons has been observed which may contribute, when it reaches a crucial threshold, to the death of cholinergic neurons observed in Alzheimer disease.		
<b>Concentration:</b>	0.1 µg/µl		
<b>Gene ID:</b>	4914		
<b>Protein Accession No:</b>	NM_002529		
<b>Source:</b>	Sf9 insect cells using baculovirus		
<b>Molecular Weight:</b>	~66 kDa		
<b>Formulation:</b>	Recombinant protein stored in 50 mM Tris-HCl, pH .5, 150 nM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol.		
<b>Purity:</b>	≥90%		
<b>Specific Activity:</b>	22 nmol/min/mg		
<b>Applications:</b>	Kinase Assay, Western Blot		
<b>Storage &amp; Stability:</b>	Store product at –80°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. <b>For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.</b>		

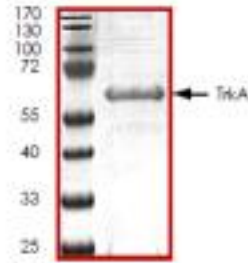


## Specific Activity



The specific activity of TRKA was determined to be **22 nmol /min/mg** as per activity assay protocol.

## Purity



The purity was determined to be **>90%** by densitometry. Approx. MW **66kDa**.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

