

Product datasheet for PH321794

TrkB (NTRK2) (NM_006180) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NTRK2 MS Standard C13 and N15-labeled recombinant protein (NP_006171)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221794
Predicted MW:	93.83 kDa
Protein Sequence:	>RC221794 representing NM_006180 Red=Cloning site Green=Tags(s)

MSSWIRWHGPAMARLWGF CWLVVGFWRAAFACPTSCCKCSASRIWCS D P S P G I V A F P R L E P N S V D P E N I T E
I F I A N Q R L E I I N E D D V E A Y V G L R N L T I V D S G L K F V A H K A F L K N S N L Q H I N F T R N K L T S L S R K H F R H L D L
S E L I L V G N P F T C S C D I M W I K T L Q E A K S S P D T Q D L Y C L N E S S K N I P L A N L Q I P N C G L P S A N L A A P N L T V E E
G K S I T L S C S V A G D P V P N M Y W D V G N L V S K H M N E T S H T Q G S L R I T N I S S D D S G K Q I S C V A E N L V G E D Q D S V N
L T V H F A P T I T F L E S P T S D H H W C I P F T V K G N P K P A L Q W F Y N G A I L N E S K Y I C T K I H V T N H T E Y H G C L Q L D N
P T H M N N G D Y T L I A K N E Y G K D E K Q I S A H F M G W P G I D D G A N P N Y P D V I Y E D Y G T A A N D I G D T T N R S N E I P S T
D V T D K T G R E H L S V Y A V V I A S V V G F C L L V M L F L L K L A R H S K F G M K D F S W F G F G K V K S R Q G V G P A S V I S N D
D D S A S P L H H I S N G S N T P S S E G G P D A V I I G M T K I P V I E N P Q Y F G I T N S Q L K P D T F V Q H I K R H N I V L K R E L
G E G A F G K V F L A E C Y N L C P E Q D K I L V A V K T L K D A S D N A R K D F H R E A E L L T N L Q H E H I V K F Y G V C V E G D P L I
M V F E Y M K H G D L N K F L R A H G P D A V L M A E G N P P T E L T Q S Q M L H I A Q Q I A A G M Y Y L A S Q H F V H R D L A T R N C L V
G E N L L V K I G D F G M S R D V Y S T D Y Y R V G G H T M L P I R W M P P E S I M Y R K F T T E S D V W S L G V V L W E I F T Y G K Q P W
Y Q L S N N E V I E C I T Q G R V L Q R P R T C P Q E V Y E L M L G C W Q R E P H M R K N I K G I H T L L Q N L A K A S P V Y L D I L G

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006171



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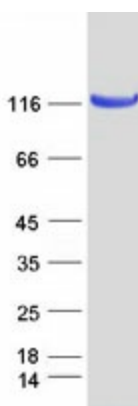
RefSeq Size:	5608
RefSeq ORF:	2514
Synonyms:	DEE58; EIEE58; GP145-TrkB; OBHD; trk-B; TRKB
Locus ID:	4915
UniProt ID:	Q16620 , Q5VWE5 , A0A024R230
Cytogenetics:	9q21.33

Summary: This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: MAPK signaling pathway, Neurotrophin signaling pathway

Product images:



Coomassie blue staining of purified NTRK2 protein (Cat# [TP321794]). The protein was produced from HEK293T cells transfected with NTRK2 cDNA clone (Cat# [RC221794]) using MegaTran 2.0 (Cat# [TT210002]).