Recombinant Human NTRK3

Cat. No. NTRK3-31623TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment,extracellular region corresponding to amino acids 32-428 of Human TrkC
Species	Human
ProteinLength	32-428 a.a.
Description	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 and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene.
Tissue specificity	Widely expressed but mainly in nervous tissue. Isoform B is expressed at higher levels in adult brain than in fetal brain.
Form	Lyophilised:Reconstitution: It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial.Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze tha
Purity	>95% by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	Preservative: NoneConstituents: 10% Trehalose, 1% Human serum albumin, PBS
Storage	Store at +4°C.
Sequences of amino acids	Theoretical Sequence:CPANCVCSKTEINCRRPDDGNLFPLLEGQ DSGNSNGNANIN ITDISRNITSIHIENWRSLHTLNAVD MELYTGLQKLTIKNSGLRSIQPRAFAKNPHLRYI NLSSNR LTTLSWQLFQTLSLRELQLEQNFFNCSCDIRWMQLWQE QGEAKLNSQNL YCINADGSQLPLFRMNISQCDLPEISVSH VNLTVREGDNAVITCNGSGSPLPDVDWI VTGLQSINTH QTNLNWTNVHAINLTLVNVTSEDNGFTLTCIAENVVGM SNASVALTV YYPPRVVSLEEPELRLEHCIEFVVRGNPPPT LHWLHNGQPLRESKIIHVEYYQEGEI SEGCLLFNKPTH YNNGNYTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSPT PPITVTHKPEEDGSSNTKVDKKVEPKSCDKTH TCPPCPAPELLGGPSVFLFPPKPK DTLMISRTPEVTCV VVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV V SVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK GQPREPQVYTLPPSRDELTK NQVSLTCLVKGFYPSDIA VEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSR WQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK
Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.Contains 2 Ig-like C2-type (immunoglobulin-like) domains.Contains 2 LRR (leucine-rich) repeats.Contains 1 LRRCT domain.Contains 1 protein kinase domain.

GENE INFORMATION

Gene Name	NTRK3 neurotrophic tyrosine kinase, receptor, type 3 [Homo sapiens]
Official Symbol	NTRK3
Synonyms	NTRK3; neurotrophic tyrosine kinase, receptor, type 3; NT-3 growth factor receptor; TRKC;
Gene ID	4916

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_001007156
Protein Refseq	NP_001007157
MIM	191316
Uniprot ID	Q16288
Chromosome Location	15q24-q25
Pathway	Neurotrophic factor-mediated Trk receptor signaling, organism-specific biosystem; Neurotrophin signaling pathway, organism-specific biosystem; Neurotrophin signaling pathway, conserved biosystem;
Function	ATP binding; kinase activity; neurotrophin binding; neurotrophin receptor activity; nucleotide binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA