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32-13711: NTRK1 Rat

Format : NTRK1 protein solution (1mg/ml) in Phosphate-Buffered Saline (pH 7.4) and 10% Glycerol.
Alternative Name : TRKA, TRK-A, NTRK-1.

Description

Source:Escherichia Coli.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivityMeasured by its ability to inhibit NGF-induced proliferation assay using TF1 human erythroleukemic cells in the presence of 0.5ng/ml of rat NGF. The ED50 range = 5 ng/ml.
NTRK1 plays a role in the development and survival of nerve cells (neurons), specifically those that transmit dataregarding senses such as touch, pain and temperatureie. sensory neurons. NTRK1 protein is located on surface cells, mainly such as sensory neurons. NTRK1 acts as a kinase enzyme that alters the activity of different proteins by adding anoxygen cluster and phosphorus atoms at precise positions ie. phosphorylation. NTRK1 activated by nerve growth factor beta which binds to it and signals the NTRK1 protein to phosphorylate itself. Post autophosphorylation, the activated NTRK1 protein phosphorylates other proteins which is required for cell growth and survival.
NTRK1 Rat Recombinant produced in HEK is a single, non-glycosylated polypeptide chain containing 623 amino acids (35-418 a.a) and having a molecular mass of 69 kDa. NTRK1 is fused to a 239 amino acid human IgG-His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 10 µg / 2 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Storage condition : NTRK1 although stable at 4°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze thaw cycles.
Amino Acid : SCRETCCPVG PSGLRCTRAG TLNTLRGLRG AGNLTELYVE NQRDLQRLEF EDLQGLGELR SLTIVKSGLR FVAPDAFHFT PRLSHLNLSS NALESLSWKT VQGLSLQDLT LSGNPLHCSC ALLWLQRWEQ EDLCGVYTQK LQGSGSGDQF LPLGHNNSCG VPSVKIQMPN DSVEVGDDVF LQCQVEGQAL QQADWILTEL EGTATMKKSG DLPSLGLTLV NVTSDLNKKN VTCWAENDVG RAEVSVQVSV SFPASVHLGK AVEQHHWCIP FSVDGQPAPS LRWFFNGSVL NETSFIFTQF LESALTNETM RHGCLRLNQP THVNNGNYTL LAANPYGQAA ASIMAAFMDN PFEFNPEDPI PVSFSPVDTN STSRDPVEKK DETP LEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGKHHH HHH