TrkB Protein, Canine (HEK293, Fc)

Cat. No.:	HY-P73576
Synonyms:	BDNF/NT-3 Growth Factors Receptor; Trk-B; NTRK2; TRKB
Species:	Canine
Source:	HEK293
Accession:	XP_541264.2 (M1-H430)
Gene ID:	484147
Molecular Weight:	Approximately 71.2 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	TrkB protein has a high affinity for brain-derived neurotrophic factor (BDNF) and plays a role in various physiological functions of neurons, including cell survival and differentiation[1]. TrkB protein is involved in epithelial-mesenchymal transition associated with increased migration and invasion in many cancer cell lines[3]. Abnormal activation caused by overexpression or fusion of TrkB protein can promote the genesis, progression, and treatment resistance of various types of neurogenic tumors[5]. Dysregulation of TrkB protein is associated with the pathogenesis of many diseases, such as neurodegenerative diseases, angiogenesis, lung adenocarcinoma, and gastric cancer[2][3][4].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA