



# Certificate of Analysis

## TrkB Protein, Canine (HEK293, His)

Cat. No.:	HY-P73461
Batch No.:	317115
Species:	Canine
Source:	HEK293
Tag:	C-His
Accession:	XP_541264.2 (C32-H430)
Gene ID:	484147
Molecular Weight:	Approximately 60-78 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	95.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Immobilized canine TrkB at 10 μg/mL (100 μL/well) can bind biotinylated mouse BDNF. The ED <sub>50</sub> for this effect is 69.78 ng/mL.	PASS
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.	
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.	

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

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