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## Product Data Sheet

## FGF14 Protein, Canine

Cat. No.:	HY-P77365
Synonyms:	Fibroblast growth factor 14; FHF-4; FGF14
Species:	Canine
Source:	E. coli
Accession:	XP_003363267 (K64-T252)
Gene ID:	100050897
Molecular Weight:	Approximately 21 kDa

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PROPERTIES			
AA Sequence	KNKNPTDPQL KGIVTRLYCR QGYYLQMHPD GALDGTKDDS TNSTLFNLIP VGLRVVAIQG VKTGLYIAMN GEGYLYPSEL FTPECKFKES VFENYYVIYS SMLYRQQESG RAWFLGLNKE GQVMKGNRVK KTKPAAHFLP KPLEVAMYRE PSLHDVGETV PKAGVTPSKS TSASAIMNGG KPVNKSKTT		
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Canine FGF14 is present at 2 μg/mL, can bind Recombinant Human FGFR4. The ED <sub>50</sub> for this effect is 299.1 ng/mL.		
Appearance	Lyophilized powder.		
Formulation	Lyophilized from a 0.2 $\mu m$ filtered solution of PBS, pH 7.4.		
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 <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).		
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.		

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neurodegenerative spinocerebellar ataxia (SAC27), and FGF14 deficiency pimples on the maturation of cells in the hippocampal dentate gyrus, which may lead to schizophrenia. FGF14 plays a neuroprotective role in in vitro Alzheimer's disease (AD) models by inhibiting MAPK signaling<sup>[1][2][3]</sup>.

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

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