

FGF-21 Protein, Hamster (HEK293, His)

Cat. No.:	HY-P75762
Synonyms:	FGF21; Fibroblast Growth Factor 21; FGF-21
Species:	Others
Source:	HEK293
Accession:	XP_005084765 (M1-S209)
Gene ID:	101842115
Molecular Weight:	Approximately 21.16 kDa

PROPERTIES

Biological Activity	Hamster FGF21, His Tag immobilized on CM5 Chip can bind Human Beta Klotho, His Tag with an affinity constant of 264.50 nM as determined in SPR assay (Biacore T200).
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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ 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.

DESCRIPTION

Background	Fibroblast growth factor 21 is a member of the fibroblast growth factor (FGF) family. FGF family members have a wide range of mitotic and cell survival activities and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. FGF21 is a hepatic factor, a hormone secreted by the liver that signals through FGF21 receptors in the paraventricular nucleus of the hypothalamus to regulate monosaccharide intake and preference for sweets and is associated with reduced dopamine neurotransmission within the nucleus accumbens. FGF21 promotes progression of non-small cell lung cancer by activating the SIRT1/PI3K/AKT signaling pathway [1][2][3][4].
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Caution: Product has not been fully validated for medical applications. For research use only.

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