KGF-2/FGF-10 Protein, Human (Biotinylated, Primary Amine Labeling)

Cat. No.:	HY-P78123
Synonyms:	FGF-10; KGF2
Species:	Human
Source:	E. coli
Accession:	O15520 (Q38-S208)
Gene ID:	2255
Molecular Weight:	Approximately19.3 kDa

PROPERTIES

Biological Activity	Biotinylated Human FGF10, No tag immobilized on CM5 Chip can bind Human FGFR2 alpha lllb, His tag with an affinity constant of 147.70 nM as determined in SPR assay (Biacore T200).
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of 20 mM Tris,150 mM NaCl, pH 8.0. Normally 5% trehalose is added as protectant 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	KGF-2/FGF-10 Protein assumes a crucial role in orchestrating embryonic development, exerting regulatory control over essential processes such as cell proliferation and differentiation. Its significance extends to the intricate domain of normal branching morphogenesis, where KGF-2/FGF-10 is indispensable. This versatile protein may also contribute to wound healing processes. Through crucial interactions, it engages with FGFR1 and FGFR2, forming molecular complexes that underlie its multifaceted functions. Furthermore, KGF-2/FGF-10 interacts with FGFBP1, emphasizing its intricate network of associations in orchestrating cellular responses and developmental events.

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