

Recombinant Human FGF21

Cat No:HR2R1406

For research use only

Overview

Quantity	250 ?g
Gene Symbol	FGF21
Gene ID	26291
Accession	Q9NSA1
Alternative Name	FGF-21 Recombinant Human Fibroblast Growth Factor 21 (FGF21)
Species	Human
Source	E. coli
Description	FGF-21 is a secreted growth factor of the FGF family, classified as an FGF-19 subfamily member. Proteins of the FGF family are known to play a central role with respect to both prenatal and postnatal growth and development, and regeneration of a variety of tissues by promoting cellular proliferation and differentiation. In the presence of beta Klotho (protein cofactor), FGF-21 signals via the FGFR receptors to stimulate insulin independent glucose uptake by adipocytes.
Functions	The bioactivity was determined in a NIH/3T3 cell proliferation assay with an ED50 <1ng/ml.
Formulation	Lyophilized from 0.2 ?m filtered solution in Tris and NaCl (pH 8.0)
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	19.7
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2?- 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.