

Recombinant Human FGF21

Cat No:HR2R1407

For research use only

Overview

Quantity	100 ?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	FGF21 is a secreted growth factor of the FGF family, classified as an FGF19 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), FGF21 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.