

Product Datasheet

Recombinant FGF-21, His, Human (orb1494748)

Description	FGF-21, also known as fibroblast growth factor-21 and FGFL, is a secreted growth factor belonging to the heparin-binding growth factor family. It is produced by hepatocytes in response to fatty acid stimulation. FGF-21 couples with its co-factor beta-Klotho to signal through FGFR1c and FGFR4. Signal transduction results in insulin-independent uptake of glucose by adipocytes. Clinical administration of FGF-21 induces energy expenditure, fat utilization and lipid excretion.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant human FGF-21 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, human FGF-21, His should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μg/ml.
Protein Sequence	HPIDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDTGVGGAADQSPESLLQLKALKPG VIQILGVKTSRFLCQRPDG ALYGSLHFDPEACSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPAPFLPLPGL PPALPEPPGILAPQPPDV GSSDPLSMVGPSQGRSPSYASHHHHHH
Purity	> 95% as analyzed by SDS-PAGE.
Source	CHO
MW	23-25kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)