

Recombinant Human FGF-16 protein(His Tag)

Catalog Number: PKSH034158

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Species	Human
Source	E.coli-derived Human FGF-16 protein Met 1-Arg 207, with an C-terminal His
Calculated MW	24.6 kDa
Observed MW	24 kDa
Accession	O43320
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <31 ng/mL. The specific activity of recombinant human FGF-16 is > 3 x 10 ⁴ IU/mg.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation, and is required for normal cardiomyocyte proliferation and heart development.