

FGF-12 (Fibroblast growth factor-12), Human

v. 231001

Catalog number	C01103-5UG / C01103-20UG / C01103-100UG
Package	5 µg / 20 µg / 100 µg
Description	Fibroblast growth factor 12 (FGF-12) is a member of the FGF superfamily of molecules which contains at least 22 members. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. The specific function of FGF12 gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported.
Source	<i>Escherichia coli</i>
Sequence	MESKEPQLKGIVTRLFSQQGYFLQMHPDGTIDGTDKSDYTLFNLIPVGLRVV AIQGVKASLYVAMNGEGYLYSSDVFTPECKFKESVFENYYVIYSSTLYRQQESG RAWFLGLNKEGQIMKGNRVKTKPSSHFPKPIEVCMYREPSLHEIGEKQGRS RKSSGTPTMNGGKVVNQDSTwith polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <2 ng/mL.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human FGF-12

For research use only.