

General Information

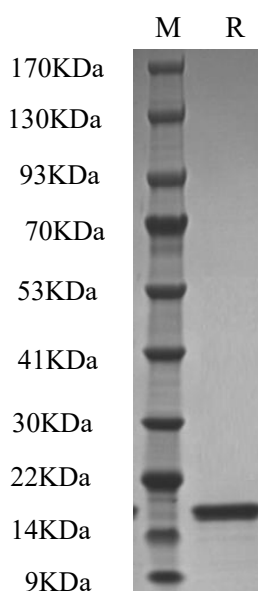
Source	<i>Escherichia coli</i>
Synonyms	Keratinocyte Growth Factor, Fibroblast Growth Factor-7, HBGF-7
Accession	P21781
Molecular Mass	18.9 kDa
Description	Recombinant Human KGF (FGF-7) is an 18.9 kDa protein consisting of 163 amino acid residues.
Shipping	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Aliquot the reconstituted solution to minimize freeze-thaw cycles. Lyophilized protein should be stored at -20°C to -80°C, stable for one year after receipt. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Centrifuge tubes before opening. Dissolve the lyophilized protein in distilled water. Do not mix by vortex. It is recommended to dissolve the product at a concentration of twice the specified specification.
Background	KGF (FGF-7) is one of 23 known members of the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth, and the regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. KGF (FGF-7) is a mitogen factor specific for epithelial cells and keratinocytes. KGF (FGF-7) signals through FGFR 2b. KGF (FGF-7) plays a role in kidney and lung development, as well as in angiogenesis and wound healing.

Product For Research Use Only

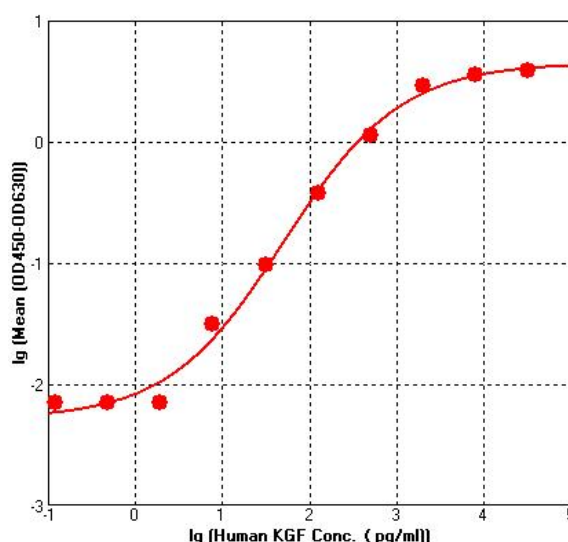
Specifications

Formulation	Lyophilized from sterile PBS, pH 7.4, 5% trehalose.
Purity	≥90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ug
Bio Activity	Immobilized Anti-Human KGF Antibody at 0.2 ug/ml (50uL/well) can bind Human KGF with a linear range of 2.0-2,000.0 pg/ml.

Data

SDS-PAGE


Greater than 90% as determined by reducing SDS-PAGE.

Bioactivity-ELISA


Immobilized Anti-Human KGF Antibody at 0.2 ug/ml (50uL/well) can bind Human KGF with a linear range of 2.0-2,000.0 pg/ml.

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