

**PRODUCT INFORMATION**

<b>Target</b>	KGF
<b>Synonyms</b>	Fibroblast growth factor 7;FGF-7;Heparin-binding growth factor 7;HBGF-7;Keratinocyte growth factor;FGF7
<b>Description</b>	Recombinant Human Fibroblast Growth Factor 7/Keratinocyte growth factor is produced by our Mammalian expression system and the target gene encoding Cys32-Thr194 is expressed with a 6His tag at the C-terminus.
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P21781
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	Not available
<b>Molecular Weight</b>	20 KDa
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Storage &amp; Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	Fibroblast growth factor 7 (FGF7) is a secreted protein which is mainly located in epithelial cells and belongs to the heparin-binding growth factors family. 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. FGF7 is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. It is possible major paracrine effector of normal epithelial cell proliferation.
<b>Usage</b>	Research use only



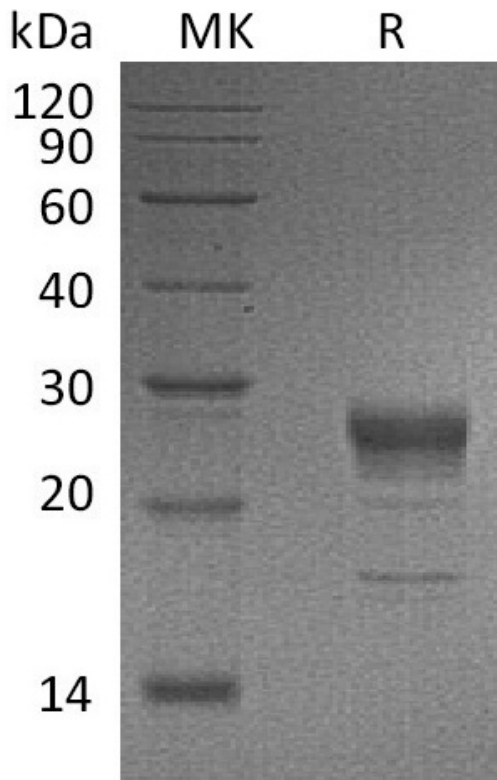


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

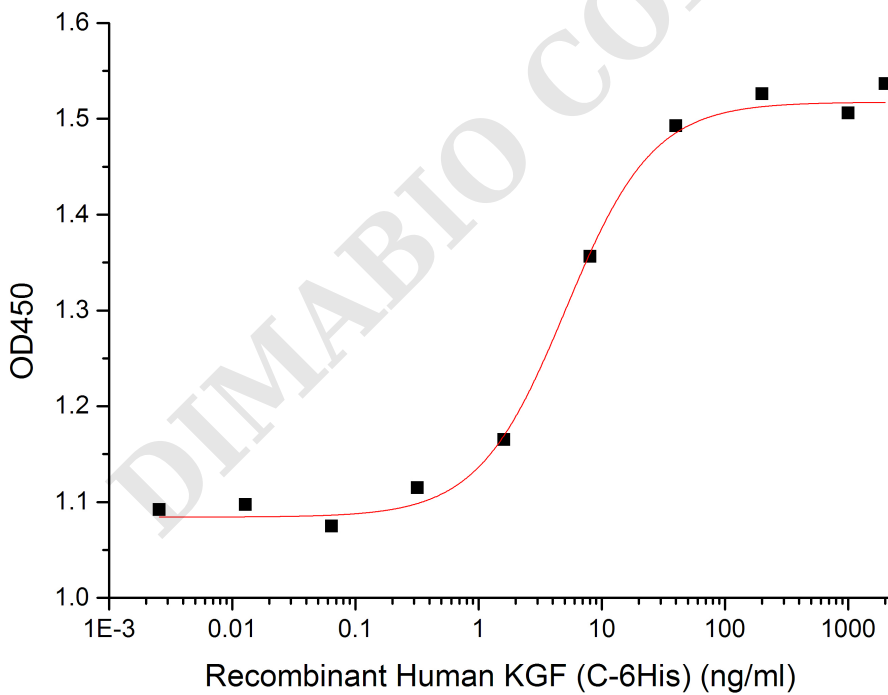


Figure 2. Measured in a cell proliferation assay using HaCaT cells. The ED50 for this effect is 10.94 ng/ml.

