

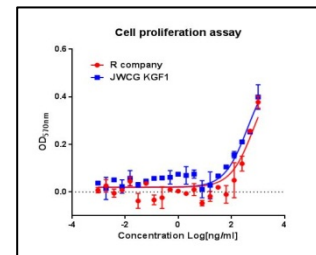
DATA SHEET

Product Information

Product Name	: Recombinant Human Fibroblast Growth Factor 10 (rhFGF10)
Synonyms	: Keratinocyte Growth Factor 10, FGFA, FGF10, KGF-2
Description	: FGF10 (KGF2) is a member of the fibroblast growth factor (FGF) 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. KGF2 is a paracrine signaling molecule seen first in the limb bud and organogenesis development. KGF2 starts the developing of limbs and its involved in the branching of morphogenesis in multiple organs such as the lungs, skin, ear and salivary glands. KGF2 may play unique roles in brain and lung development, wound healing and limb bud formation. (Ref. From Wikipedia)
NCBI Accession No.	: NM_004465.1
Amino acid sequence	: MLGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVWRKLFSTKYFLKIEKNGKVSQTKKENCPSYLEITTSVEIGVVAVKAINSYYLAMNKKGLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGGAPRRGQKTRRKNTSAHFLPMVVHS*
Molecular Mass	: 19.22 kDa (170 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: HFGF10-10, HFGF10-25, HFGF10-50, HFGF10-100, HFGF10-250, HFGF10-500, HFGF10-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Rat, Mouse

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 95 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method
Biological Activity	: Determined by proliferation of 4Mbr-5 indicator cells. The ED50 is 20-100 ng/ml.
Endotoxin	: Less than 1.0 EU/ μ g as determined by the LAL method
Formulation	: PBS, 5% glycerol, pH7.4 without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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