Recombinant Human FGF-10/KGF2

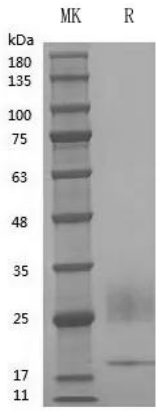
Catalog#:PCH2510

概述（Summary）

别称（Alternative Names）	Fibroblast growth factor 10;FGF-10;Keratinocyte growth factor 2;FGF10;KGF-2;KGF2
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE
内毒素（Endotoxin level）	≤10 EU/mg
蛋白构建（Construction）	【Gln38-Ser208】
Accession #	O15520
表达宿主（Host）	CHO
种属（Species）	Human
预测分子量（Predicted MW）	19.3 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS,5% mannitol and 0.01% Tween 80, pH7.4
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
背景介绍（References）	Fibroblast growth factor 10 (FGF-10, KGF-2), is a member of the fibroblast growth factor (FGF) family that includes FGF-3, -7, and -22. KGF-2 is secreted by mesenchymal cells and associates with extracellular FGF-BP. It preferentially binds and activates epithelial cell FGFR2 and interacts more weakly with FGFR1. It plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. It exhibits mitogenic activity for keratinizing

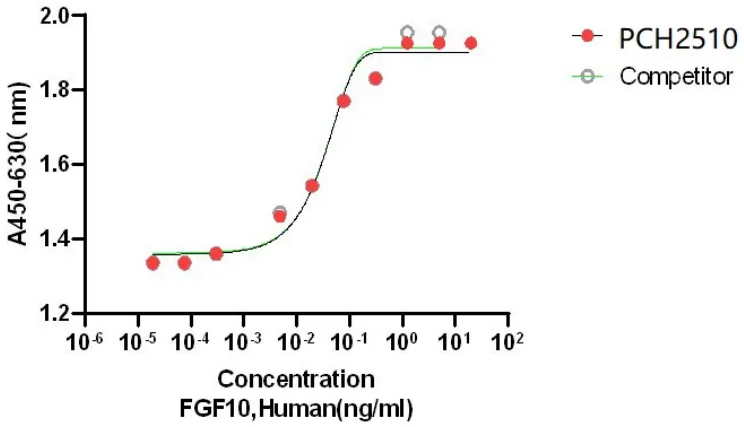
epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. FGF10 is required for normal branching morphogenesis. Defects in FGF10 are the cause of autosomal dominant aplasia of lacrimal and salivary glands (ALSG). ALSG has variable expressivity, and affected individuals may have aplasia or hypoplasia of the lacrimal, parotid, submandibular and sublingual glands and absence of the lacrimal puncta. The disorder is characterized by irritable eyes, recurrent eye infections, epiphora (constant tearing) and xerostomia (dryness of the mouth), which increases the risk of dental erosion, dental caries, periodontal disease and oral infections.

电泳图（SDS-PAGE image）



Greater than 95% as determined by reducing SDS-PAGE

活性图（Bioactivity image）



Measured by its ability to inducelL-11 secretion by Saos-2 human osteosarcoma cells. The ED50 for this effect is ≤2ug/mL.

注意事项（Note）

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