Datasheet

FGF7 (Human) Recombinant Protein

Catalog Number: P5880

Regulation Status: For research use only (RUO)

Product Description: Human FGF7 (180 a.a.) full-lenth recombinant protein with His tag expressed in Barley grain (Hordeum vulgare). This protein is endotoxins-free and thus optimal to use in stem cell cultures.

Host: Plants

Theoretical MW (kDa): 14

Reactivity: Human

Applications: Func, SDS-PAGE, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Lyophilized

Preparation Method: *Hordeum vulgare (barley)* expression system

Purification: Chromatography

Purity: > 95% by SDS-PAGE

Endotoxin Level: Endotoxin level is less than 0.005ng per ug (0.05EU/ug) as measured by turbidimetric kineticassay.

Activity: Activity has been measured by cell-based proliferation assay using 4MBr5 rhesus monkey epithelial cells. ED50 is typically below 4 ng/mL.

Storage Buffer: Lyophilized from PBS, pH 7.2

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2252

Gene Symbol: FGF7

Gene Alias: HBGF-7, KGF

Gene Summary: The protein encoded by this gene 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. This protein is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis. [provided by RefSeq]