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37-1262: Human FGFR2 Recombinant Protein (His & Fc Tag)(Discontinued)

Reactivity : Human

Alternative Name : BBDS Protein, BEK Protein, BFR-1 Protein, CD332 Protein, CEK3 Protein, CFD1 Protein, ECT1 Protein, JWS Protein, K-SAM Protein, KGFR Protein, TK14 Protein, TK25 Protein,

Description

Source : HEK293 Cells
FGFR2, also known as CD332, belongs to the fibroblast growth factor receptor subfamily where amino acid sequence is highly conserved between members and throughout evolution. FGFR2 acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation, migration and apoptosis, and in the regulation of embryonic development. It is required for normal embryonic patterning, trophoblast function, limb bud development, lung morphogenesis, osteogenesis and skin development. FGFR2 plays an essential role in the regulation of osteoblast differentiation, proliferation and apoptosis, and is required for normal skeleton development. It also promotes cell proliferation in keratinocytes and imature osteoblasts, but promotes apoptosis in differentiated osteoblasts. FGFR2 signaling is down-regulated by ubiquitination, internalization and degradation. Mutations that lead to constitutive kinase activation or impair normal CD332 maturation, internalization and degradation lead to aberrant signaling. Over-expressed FGFR2 promotes activation of STAT1. Defects in CD3322 are the cause of Crouzon syndrome, Jackson-Weiss syndrome, Apert syndrome, Pfeiffer syndrome, Beare-Stevenson cutis gyrata syndrome, familial scaphocephaly syndrome, lacrimo-auriculo-dento-digital syndrome and Antley-Bixler syndrome without genital anomalies or disordered steroidogenesis. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Product Info

Amount :	Human FGFR2 Recombinant Protein (His & Fc Tag)(Discontinued) / 100 µg
Purification :	> 90 % as determined by SDS-PAGE
Content :	Formulation Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-Glu377

Application Note

Measured by its ability to inhibit FGF-acidic (aFGF/FGF1) dependent proliferation of Balb/C 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.5-2.5 ng/ml.
Endotoxin :< 1.0 EU per Ã‚Âµg of the protein as determined by the LAL method

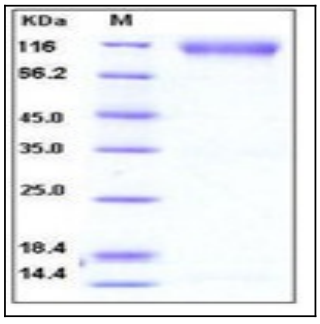


Fig 1: Human FGFR2 Recombinant Protein (His & Fc Tag)

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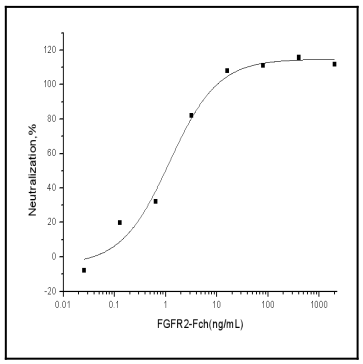


Fig 2: Human FGFR2 Recombinant Protein (His & Fc Tag) measured by its ability to inhibit FGF-acidic (aFGF/FGF1) dependent proliferation of Balb/C 3T3 mouse fibroblasts.

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