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37-1319: Human FGFR3 / CD333 Recombinant Protein (Fc Tag, ECD)(Discontinued)

Reactivity : Human
Alternative Name : ACH Protein, CD333 Protein, CEK2 Protein, HSFGFR3EX Protein, JTK4 Protein,

Description

Source : HEK293 Cells
FGFR3, also known as CD333, is a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. FGFRs are transmembrane catalytic receptors that have intracellular tyrosine kinase activity. Mutations in FGFR genes are the cause of several human developmental disorders characterized by skeletal abnormalities such as achondroplasia, and upregulation of FGFR expression may lead to cell transformation and cancer. FGFR3, a full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of FGFR3 interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. FGFR3 binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in FGFR3 gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described. CD333 is the receptor for acidic and basic fibroblast growth factors. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Product Info

Amount :	Human FGFR3 / CD333 Recombinant Protein (Fc Tag, ECD)(Discontinued) / 200 µg
Purification :	> 95 % 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-Gly375

Application Note

Endotoxin :< 1.0 EU per Ã‚µg protein as determined by the LAL method.

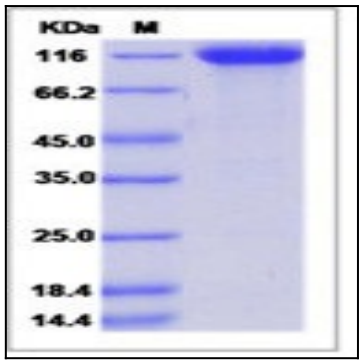


Fig 1: Human FGFR3 / CD333 Recombinant Protein (Fc Tag, ECD)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.