

## Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein

RPCB0548

### Protein Information

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<b>Size:</b>	100 µg	<b>Tag:</b>	C-His&Avi
<b>Reactivity:</b>	Human	<b>Expressed Host:</b>	HEK293 cells
<b>Calculated MW:</b>	30.5 kDa	<b>Observed MW:</b>	40-55 kDa

### Background

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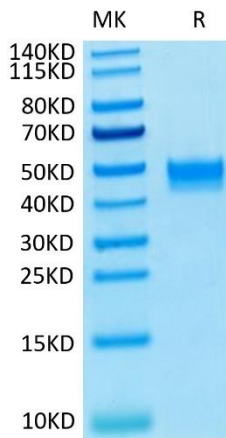
Four distinct genes encoding closely related FGF receptors, FGF R1-4, are known. All four genes for FGF Rs encode proteins with an N-terminal signal peptide, three immunoglobulin (Ig)-like domains, an acid box region containing a run of acidic residues between the IgI and IgII domains, a transmembrane domain and the split tyrosine-kinase domain. FGFR3 is tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation and apoptosis. Plays an essential role in the regulation of chondrocyte differentiation, proliferation and apoptosis, and is required for normal skeleton development. Regulates both osteogenesis and postnatal bone mineralization by osteoblasts.

### Properties

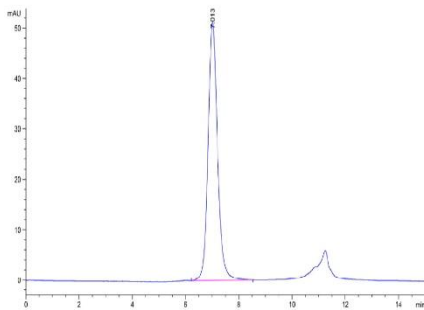
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<b>Synonyms:</b>	ACH, CD333, CEK, CEK2, EC 2.7.10, FGFR3, FGFR3, HSFGR3EX, JTK4
<b>Gene ID:</b>	2261
<b>Endotoxin:</b>	< 1 EU/µg of the protein by LAL method.
<b>Description:</b>	High quality, high purity and low endotoxin recombinant Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein (RPCB0548), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
<b>Purity:</b>	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
<b>Storage:</b>	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Validation Data



Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human FGFR3 beta (IIIb) is greater than 95% as determined by SEC-HPLC.