

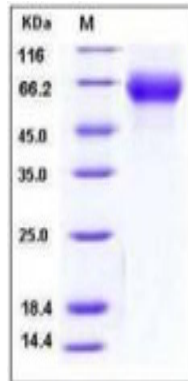
## Fgfr4

### Recombinant Mouse FGF-Receptor 4 / CD334 (His Tag)

<b>Catalog No.</b>	CRM569A-His CRM569B-His	<b>Quantity:</b>	50 µg 100 µg
<b>Alternate Names:</b>	Fibroblast growth factor receptor 4, FGFR-4, Protein-tyrosine kinase receptor MPK-11, CD334		
<b>Description:</b>	Fibroblast growth factor receptor 4 (FGF-R4) is a member of the highly conserved fibroblast growth factor receptor family. FGFR family members differ from one another in their ligand affinities and tissue distribution. 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 FGF-R4 interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. FGF-R4 preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis. FGF-R4 signaling is down-regulated by receptor internalization and degradation; MMP14 promotes internalization and degradation of FGF-R4. Mutations in FGF-R4 lead to constitutive kinase activation or impair normal FGF-R4 inactivation leading to aberrant signaling.		
<b>UniProt ID:</b>	Q03142		
<b>Accession Number:</b>	NP_032037.2		
<b>Protein Construction:</b>	A DNA sequence encoding the extracellular domain (Met 1-Asp 366) of mouse FGF-R4 precursor was expressed with a polyhistidine tag at the C-terminus.		
<b>Source:</b>	HEK293 Cells		
<b>Formulation:</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
<b>Molecular Weight:</b>	The secreted rmFGF-R4 consists of 361 aa with a predicted MW of 40 kDa and migrates at ~60-70 kDa in reduced SDS-PAGE, due to glycosylation.		
<b>Purity:</b>	> 97 % as determined by SDS-PAGE.		
<b>Endotoxin Level:</b>	< 1.0 EU per µg of the protein as determined by the LAL method		
<b>Biological Activity:</b>	Testing in progress		
<b>Predicted N-terminal:</b>	Leu 17		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		



SDS-PAGE



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