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## **Recombinant Human CD334/FGFR4 Protein, N-His**

Catalog Number:	bs-101076P
Species:	Human
AA Seq:	22-369/802
Predicted MW:	40.82 kDa
Tags:	N-His
Activity:	Not tested
Purity:	>90% as determined by SDS-PAGE.
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1%
	Mannitol.
	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for
	frequent use. Store at -20 to -80°C for twelve months from the date of receipt.
Background:	The protein encoded by this gene is a member of the fibroblast growth factor receptor
	family, where amino acid sequence is highly conserved between members and throughout
	evolution. 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
	the protein interacts with fibroblast growth factors, setting in motion a cascade of
	downstream signals, ultimately influencing mitogenesis and differentiation. The genomic
	organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19
	or 20. Although alternative splicing has been observed, there is no evidence that the C-
	terminal half of the IgIII domain of this protein varies between three alternate forms, as
	indicated for members 1-3. This particular family member 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.
	[provided by RefSeq, Jul 2008]