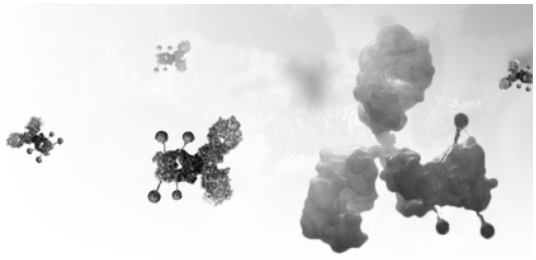

Recombinant FGFR1c (a.a 22-375) [His] (DAG-WT492)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Human FGFR1c (a.a 22-375) protein was expressed in HEK293 cells and fused to 10xHis at the C-terminus
Species	Human
Purity	> 95% , as determined by SDS-PAGE
Conjugate	His
Applications	WB, Immunoassays, Functional studies
Molecular Weight	40.7 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	100 µg
Buffer	PBS with 20% glycerol
Preservative	None
Storage	Store at -20°C to -80°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) 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

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	distribution. A full-length representative protein consists 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. This particular family member binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.
Keywords	FGFR1; Growth factor receptor; Osteoglophonic dysplasia

GENE INFORMATION

UniProt ID	P11362-7

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