Recombinant Human FGFR4, GST-tagged, Active

Cat. No. FGFR4-316H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGFR4 (460-end) was expressed by baculovirus in Sf9 cells using an N-terminal GST tag. MW=65 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	460-end a.a.
Description	FGFR4 is a member of the fibroblast growth factor receptor family which play a role in mitogenesis and differentiation. FGFR4 preferentially binds acidic fibroblast growth factor and is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis. FGFR4 gene expression is up-regulated in doxorubicin-treated, apoptosis-resistant cancer cell clones. Ectopic expression of FGFR4 in cancer cells leads to reduced apoptosis sensitivity on treatment with doxorubicin or cyclophosphamide, whereas knockdown of endogenous FGFR4 expression in breast cancer cell lines has the opposite effect.
Sequence	460-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	FGFR4 fibroblast growth factor receptor 4 [Homo sapiens]
Synonyms	FGFR4; fibroblast growth factor receptor 4; TKF; JTK2; CD334; MGC20292; OTTHUMP00000161430; tyrosylprotein kinase; protein-tyrosine kinase; hydroxyaryl-protein kinase; tyrosine kinase related to fibroblast growth factor receptor; EC 2.7.10.1; FGFR-4; CD334 antigen
Gene ID	2264
mRNA Refseq	NM_002011
Protein Refseq	NP_002002
UniProt ID	P22455
Chromosome Location	5q33-qter
MIM	134935
Pathway	Endocytosis; MAPK signaling pathway; Regulation of actin cytoskeleton; Signaling by FGFR
Function	ATP binding; fibroblast growth factor binding; fibroblast growth factor receptor activity; nucleotide binding; protein binding; receptor activity; transferase activity

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