Active Recombinant Human DDR2, GST-tagged

Cat. No. DDR2-820H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DDR2 (467-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	467-end
Description	DDR2 is a member of a novel subclass of RTKs containing a distinct extracellular region encompassing a factor VIII-like domain and is thought to be involved in the regulation of cell growth, differentiation, and metabolism. DDR2 plays a role in the regulation of collagen turnover mediated by smooth muscle cells in obstructive diseases of blood vessels and the lung.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	5 nmol/min/mg
Molecular Mass	~70 kDa
Purity	>95%
Applications	Kinase Assay, Western Blot

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Stability	1yr at –70°C from date of shipment
Storage	Store product at –70oC. 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.
Concentration	0.1ug/ul

GENE INFORMATION

Gene Name	DDR2 discoidin domain receptor tyrosine kinase 2 [Homo sapiens]
Official Symbol	DDR2
Synonyms	DDR2; discoidin domain receptor tyrosine kinase 2; discoidin domain receptor family, member 2 , NTRKR3, TYRO10; discoidin domain-containing receptor 2; TKT; tyrosylprotein kinase; hydroxyaryl-protein kinase; discoidin domain receptor 2; tyrosine-protein kinase TYRO10; CD167 antigen-like family member B; cell migration-inducing protein 20; migration-inducing gene 16 protein; receptor protein-tyrosine kinase TKT; discoidin domain receptor family, member 2; neurotrophic tyrosine kinase receptor related 3; neurotrophic tyrosine kinase, receptor-related 3; discoidin domain-containing receptor tyrosine kinase 2; MIG20a; NTRKR3; TYRO10;
Gene ID	4921
mRNA Refseq	NM_001014796
Protein Refseq	NP_001014796
MIM	191311

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UniProt ID	Q16832
Chromosome Location	1q12-q23
Pathway	Endochondral Ossification, organism-specific biosystem;
Function	ATP binding; collagen binding; kinase activity; nucleotide binding; protein tyrosine kinase collagen receptor activity; receptor activity; transmembrane receptor protein tyrosine kinase activity;

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