

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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