

Recombinant Mouse Ddr2 Protein, Myc/DDK-tagged

Cat. No. Ddr2-2496M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length discoidin domain receptor family, member 2 (Ddr2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates cell differentiation, remodeling of the extracellular matrix, cell migration and cell proliferation. Required for normal bone development. Regulates osteoblast differentiation and chondrocyte maturation via a signaling pathway that involves MAP kinases and leads to the activation of the transcription factor RUNX2. Regulates remodeling of the extracellular matrix by up-regulation of the collagenases MMP1, MMP2 and MMP13, and thereby facilitates cell migration and tumor cell invasion. Promotes fibroblast migration and proliferation, and thereby contributes to cutaneous wound healing.
Molecular Mass	96.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ddr2 discoidin domain receptor family, member 2 [Mus musculus (house mouse)]

Official Symbol Ddr2

Synonyms DDR2; discoidin domain receptor family, member 2; discoidin domain-containing receptor 2; discoidin domain receptor 2; tyrosine-protein kinase TYRO10; CD167 antigen-like family member B; receptor protein-tyrosine kinase TKT; neurotrophic tyrosine kinase, receptor-related 3; Ntrkr3; tyro10; AW495251

Gene ID 18214

mRNA Refseq NM_022563

Protein Refseq NP_072075

UniProt ID Q62371

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