

Recombinant Full Length Human DDR1 Protein, C-DDK-tagged

Cat. No. DDR1-826HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DDR1 Protein, fused to DDK-tag at C-terminus, was expressed in Sf9.
Species	Human
Source	Mammalian Cells
Description	Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Form	50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.
Molecular Mass	97 kDa
AA Sequence	A DNA sequence from TrueORF clone, RC201224, encoding human full-length DDR1.
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	DDR1 discoidin domain receptor tyrosine kinase 1 [Homo sapiens (human)]
Official Symbol	DDR1
Synonyms	CAK; DDR; NEP; HGK2; PTK3; RTK6; TRKE; CD167; EDDR1; MCK10; NTRK4; PTK3A
Gene ID	780
mRNA Refseq	NM_001954.5
Protein Refseq	NP_001945.3
MIM	600408

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UniProt ID

Q08345

SDS-PAGE

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