

Recombinant Rat Drd1 Protein, His-tagged

Cat. No. Drd1-1380R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Drd1 Protein (Gln338-Thr446) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gln338-Thr446
Description	Predicted to enable collagen binding activity and protein tyrosine kinase collagen receptor activity. Involved in animal organ regeneration and skin development. Located in basolateral plasma membrane; brush border; and cytoplasm. Biomarker of congestive heart failure. Human ortholog(s) of this gene implicated in lung non-small cell carcinoma. Orthologous to human DDR1 (discoidin domain receptor tyrosine kinase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.4 kDa Accurate Molecular Mass: 17&25 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Drd1 discoidin domain receptor family, member 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Drd1
Synonyms	DRD1; discoidin domain receptor family, member 1;
Gene ID	25678
mRNA Refseq	NM_013137
Protein Refseq	NP_037269
UniProt ID	B2GVB6

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