

Recombinant Rat Dock7 Protein, His-tagged

Cat. No. Dock7-1371R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Dock7 Protein (Arg1815-Leu2118) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Arg1815-Leu2118
Description	Predicted to enable small GTPase binding activity. Predicted to be involved in several processes, including activation of GTPase activity; negative regulation of cold-induced thermogenesis; and nervous system development. Predicted to act upstream of or within hematopoietic progenitor cell differentiation and pigmentation. Predicted to be part of COP9 signalosome. Human ortholog(s) of this gene implicated in developmental and epileptic encephalopathy 23. Orthologous to human DOCK7 (dedicator of cytokinesis 7).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.5 kDa Accurate Molecular Mass: 40 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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Dock7 dedicator of cytokinesis 7 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Dock7
Synonyms	DOCK7; dedicator of cytokinesis 7; dedicator of cytokinesis protein 7; MGC189434;
Gene ID	313388
mRNA Refseq	NM_001191574
Protein Refseq	NP_001178503
UniProt ID	F1LRS2

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