

Recombinant Mouse Dock10 Protein, His-tagged

Cat. No. Dock10-1366M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dock10 Protein (Ile2016-Val2187) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ile2016-Val2187
Description	Enables guanyl-nucleotide exchange factor activity and small GTPase binding activity. Involved in several processes, including dendritic spine morphogenesis; marginal zone B cell differentiation; and positive regulation of GTPase activity. Located in dendritic spine. Is expressed in several structures, including central nervous system; endocrine gland; retina; thymus primordium; and trigeminal nerve. Orthologous to human DOCK10 (dedicator of cytokinesis 10).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.9 kDa Accurate Molecular Mass: 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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Dock10 dedicator of cytokinesis 10 [Mus musculus (house mouse)]
Official Symbol	Dock10
Synonyms	DOCK10; dedicator of cytokinesis 10; dedicator of cytokinesis protein 10; zizimin-3; Jr4; Jr5; ZIZ3; R75174; Zizimin3; mKIAA0694; 9330153B10Rik; A630054M16Rik; MGC183664;
Gene ID	210293
mRNA Refseq	NM_175291
Protein Refseq	NP_780500
UniProt ID	Q8BZN6

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