

Recombinant Mouse Defa5 Protein, His&GST-tagged

Cat. No. Defa5-1328M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Defa5 Protein (Asp20-Ser93) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asp20-Ser93
Description	Predicted to enable protein homodimerization activity. Acts upstream of or within defense response to bacterium. Predicted to be located in intracellular membrane-bounded organelle and midbody. Predicted to be active in extracellular space. Is expressed in ileum. Orthologous to several human genes including DEFA1B (defensin alpha 1B); DEFA3 (defensin alpha 3); and DEFA5 (defensin alpha 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.4 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

Defa5 defensin, alpha, 5 [*Mus musculus* (house mouse)]

Official Symbol

Defa5

Synonyms

DEFA5; defensin, alpha, 5; alpha-defensin 5; defensin, alpha, 29; defensin-related cryptdin-5; Defa29; Defcr5; Defcr29;

Gene ID

13239

mRNA Refseq

NM_007851

Protein Refseq

NP_031877

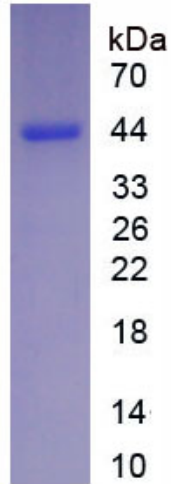
UniProt ID

P28312

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