

Recombinant Mouse Cidea Protein, His-tagged

Cat. No. Cidea-789M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cidea Protein (Met1-Met217) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Met217
Description	Enables protein homodimerization activity. Involved in several processes, including negative regulation of cold-induced thermogenesis; negative regulation of transforming growth factor beta receptor signaling pathway; and positive regulation of sequestering of triglyceride. Acts upstream of or within lipid metabolic process and response to stilbenoid. Located in mitochondrial envelope and nucleus. Colocalizes with lipid droplet. Is expressed in brown fat. Human ortholog(s) of this gene implicated in obesity. Orthologous to human CIDEA (cell death inducing DFFA like effector a).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.4 kDa; Accurate Molecular Mass: 28.4 kDa
Purity	> 95%
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	Cidea cell death-inducing DNA fragmentation factor, alpha subunit-like effector A [<i>Mus musculus</i> (house mouse)]
Official Symbol	Cidea
Synonyms	CIDEA; cell death-inducing DNA fragmentation factor, alpha subunit-like effector A; cell death activator CIDE-A; cell death-inducing DFFA-like effector A; AW212747;
Gene ID	12683
mRNA Refseq	NM_007702
Protein Refseq	NP_031728
UniProt ID	O70302