

Recombinant Full Length Human CIDEA protein, His & GST-tagged

Cat. No. CIDEA-1834H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CIDEA aa. (Met1~Gly219 (Accession # O60543)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Gly219
Description	This gene encodes the homolog of the mouse protein Cidea that has been shown to activate apoptosis. This activation of apoptosis is inhibited by the DNA fragmentation factor DFF45 but not by caspase inhibitors. Mice that lack functional Cidea have higher metabolic rates, higher lipolysis in brown adipose tissue and higher core body temperatures when subjected to cold. These mice are also resistant to diet-induced obesity and diabetes. This suggests that in mice this gene product plays a role in thermogenesis and lipolysis. Alternatively spliced transcripts have been identified.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 57.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	8.2

GENE INFORMATION

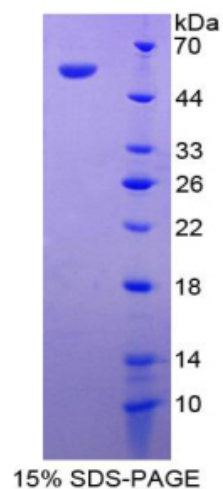
Gene Name	CIDEA cell death-inducing DFFA-like effector a [Homo sapiens (human)]
Official Symbol	CIDEA
Synonyms	CIDEA; cell death-inducing DFFA-like effector a; CIDE-A; cell death activator CIDE-A
Gene ID	1149
mRNA Refseq	NM_001279.3
Protein Refseq	NP_001270.1
UniProt ID	O60543

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SDS-PAGE



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