Recombinant Human CIDEC Protein (Met1-Gln241), His tagged

Cat. No. CIDEC-2204H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CIDEC (Met1-Gln241) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Gln241
Description	Binds to lipid droplets and regulates their enlargement, thereby restricting lipolysis and favoring storage. At focal contact sites between lipid droplets, promotes directional net neutral lipid transfer from the smaller to larger lipid droplets. The transfer direction may be driven by the internal pressure difference between the contacting lipid droplet pair. Its role in neutral lipid transfer and lipid droplet enlargement is activated by the interaction with PLIN1. May act as a CEBPB coactivator in the white adipose tissue to control the expression of a subset of CEBPB downstream target genes, including SOCS1, SOCS3, TGFB1, TGFBR1, ID2 and XDH. When overexpressed in preadipocytes, induces apoptosis or increases cell susceptibility to apoptosis induced by serum deprivation or TGFB treatment. As mature adipocytes, that express high CIDEC levels, are quite resistant to apoptotic stimuli, the physiological significance of its role in apoptosis is unclear. May play a role in the modulation of the response to osmotic stress by preventing NFAT5 to translocate into the nucleus and activate its target genes expression.

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Form	Lyophilized powder/frozen liquid
Molecular Mass	28.27 kDa
Purity	>90% as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	CIDEC cell death-inducing DFFA-like effector c [Homo sapiens (human)]
Official Symbol	CIDEC
Synonyms	CIDEC; cell death-inducing DFFA-like effector c; cell death activator CIDE-3; CIDE 3; FLJ20871; Fsp27; fat specific protein 27; CIDE3; FSP27; CIDE-3;
Gene ID	63924
mRNA Refseq	NM_001199551

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Protein Refseq	NP_001186480
MIM	612120
UniProt ID	Q96AQ7

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