

Full-Length

CIDEA (Human) Recombinant Protein (P01)

Catalog # H00001149-P01 Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human CIDEA full-length ORF (AAH31896, 1 a.a 253 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	MRGDRASGGPGNHNGSWAREGPRLGPSWKRGLWSPRGGPNRPAEPSRPLTFMGSQTKRVLF TPLMHPARPFRVSNHDRSSRRGVMASSLQELISKTLDALVIATGLVTLVLEEDGTVVDTEEFFQTL GDNTHFMILEKGQKWMPGSQHVPTCSPPKRSGIARVTFDLYRLNPKDFIGCLNVKATMYEMYSVS YDIRCTGLKGLLRSLLRFLSYSAQVTGQFLIYLGTYMLRVLDDKEERPSLRSQAKGRFTCG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.57
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.



Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CIDEA	
Entrez GenelD	<u>1149</u>
GeneBank Accession#	<u>BC031896</u>
Protein Accession#	AAH31896
Gene Name	CIDEA
Gene Alias	CIDE-A
Gene Description	cell death-inducing DFFA-like effector a
Omim ID	<u>604440</u>
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the homolog of the mouse protein Cidea that has been shown to activate apo ptosis. 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 ar e also resistant to diet-induced obesity and diabetes. This suggests that in mice this gene produc t plays a role in thermogenesis and lipolysis. Two alternative transcripts encoding different isofor ms have been identified. [provided by RefSeq
Other Designations	cell death activator

Disease

- Genetic Predisposition to Disease
- <u>Metabolic Syndrome X</u>



Product Information

• <u>Obesity</u>