Recombinant Human CRAT Protein, His-tagged

Cat. No. CRAT-628H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRAT(Lys363-Leu626) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys363-Leu626
Description	This gene encodes carnitine O-acetyltransferase, a member of the carnitine acyltransferase family and a key metabolic pathway enzyme which plays an important role in energy homeostasis and fat metabolism. This enzyme catalyzes the reversible transfer of acyl groups from an acyl-CoA thioester to carnitine and regulates the ratio of acyl-CoA/CoA. It is found in both the mitochondria and the peroxisome. Alternative splicing results in transcript variants encoding different isoforms that may localize to different subcellular compartments.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	33.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

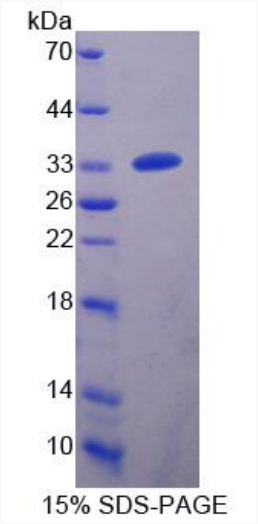
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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation 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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	CRAT carnitine O-acetyltransferase [Homo sapiens]
Official Symbol	CRAT
Synonyms	CRAT; carnitine O-acetyltransferase; carnitine acetyltransferase; CAT1; CAT; carnitine acetylase;
Gene ID	1384
mRNA Refseq	NM_000755
Protein Refseq	NP_000746
MIM	600184
UniProt ID	P43155

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15% SDS-PAGE

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