

Product datasheet for TP321625

CRAT (NM_004003) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human carnitine acetyltransferase (CRAT), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221625 representing NM_004003 Red=Cloning site Green=Tags(s)

MKASSRFKAHQDALPRLPVPPLQQSLDHYLKALQPIVSEEEWAHTKQLVDEFQASGGVGERLQKGLERRA
RKTENWLSEWWLKTAYLQYRQPVVIYSSPGVMLPKQDFVDLQGLRFAAKLIEGVLDKVMIDNETLPVE
YLGKPLCMNQYYQILSSCRVPGPKQDVTSNFSKTKKPPTHITVWHNYQFFELDVYHSDGTPLTADQIFV
QLEKIWNSSLQTNKEPVGILTSNHRNSWAKAYNTLIKDKVNRDSVRSIQKSIFTVCLDATMPRVSEDEVYR
SHVAGQMLHGGGSRNSGNRWFDKTLQFIVAEDGSCGLVYEHAEEGPPIVTLLDYVIEYTKKPELVRSP
MVPLPMPKKLRFNITPEIKSDIEKAKQNLSIMIQLDITVMVFHFGKDFPKSEKLSPDAFIQMALQLAY
YRIYGQACATYESASLRMFHLGRTDITRSASMDSLTFVKAMDDSSVTEHQKVELLRKAVQAHRGYTDRAI
RGEAFDRHLLGLKQAIEDLVSMDFMDSYAIAMHFHLSTSQVPAKTDCVMFFGPVVPDGYGVCYNPM
EAHINFSL SAYNSCAETNAARLAHYLEKALLDMRALLQSHPRAKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

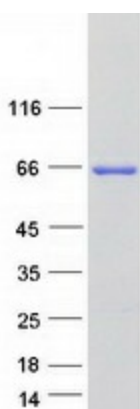
Tag:	C-Myc/DDK
Predicted MW:	68.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003994</u>
Locus ID:	1384
UniProt ID:	<u>P43155</u>
RefSeq Size:	2600
Cytogenetics:	9q34.11
RefSeq ORF:	1815
Synonyms:	CAT; CAT1; NBIA8
Summary:	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. [provided by RefSeq, Oct 2016]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified CRAT protein (Cat# TP321625). The protein was produced from HEK293T cells transfected with CRAT cDNA clone (Cat# [RC221625]) using MegaTran 2.0 (Cat# [TT210002]).