

Product datasheet for TP509546

Crat (NM_007760) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse carnitine acetyltransferase (Crat), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209546 protein sequence Red =Cloning site Green =Tags(s)

MLAFAARTWKPLGLLKPSSLMKVSGRFKAHQDALPRLPVPPLQQSLDYLLKALQPIVSEEEWAHTKQLV
DEFQTSGGVGERLQKGLERRAKKMENWLSEWWLKTAYLQFRQPWVIYSSPGVILPKQDFVDLQGQLRFAA
KLIEGVLDFKSMIDNETLPVEFLGGQPLCMNQYYQILSSCRVPGPKQDSVWNFLKSKRPPTHITVWHNYQ
FFELDVYHSDGTPLTSDQIFVQLEKIWNSSLQSNKEPVGILTSNHRNTWAKAYNNLIKDKVNRESVNSIQ
KSIFTVCLDKQVPRVSDDVYRNHVAGQMLHGGGSKFNNGNRWFDKTLQFIVAEDGSCGMVYEHAEEGPP
IVALVDHVMYETKKPELVRSPMVPLPMPKKLRFNITPEIKNDIEKAKQNLSIMIQDLDIMMLTFHHFGKD
FPKSEKLSPDAFIQVALQLAYYRIYGQACATYESASLRMFHLGRTDTIRSASIDSLAFVKGMGDSTVPEQ
QKVELLRKAVQAHRAYTDRAIRGEAFDRHLLGLKLQAIEDLVSMPIFMDTSYAIAMHFNLSQSVPKAT
DCVMFFGPVVPDGYGICYNPMEAHINFSVSAYNSCAETNAARMAHYLEKALLDMRTLLQNHPRAKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	70.8 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_031786
Locus ID:	12908
UniProt ID:	P47934
RefSeq Size:	4393
Cytogenetics:	2 21.69 cM
RefSeq ORF:	1881
Synonyms:	AW107812; CARAT
Summary:	Catalyzes the reversible transfer of acyl groups from carnitine to coenzyme A (CoA) and regulates the acyl-CoA/CoA ratio. Also plays a crucial role in the transport of fatty acids for beta-oxidation. May be specific for short chain fatty acids.[UniProtKB/Swiss-Prot Function]