

Product datasheet for TP515194

Apoo (NM_026673) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse apolipoprotein O (Apoo), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215194 representing NM_026673 Red=Cloning site Green=Tags(s)

MFKVIQRSVGPASLSLLTFRVYAAPKKDSPHKSVMKIDELSLYSVPEGQSKYVEEPRTQLEENISQLRHH
CEPYTSFCQEIYSHTKPKVDHFVQWGVNDNYNLQNAPPGFFPRLGVIGFAGFVGLLFARGSKIKKLVYPP
FFMGLGASVYYPQQAITIAQITGEKLYDWGLRGYIVIEDLWKQNFQKPGNVKNSPGNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	22.6 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.
RefSeq:	NP_080949
Locus ID:	68316
UniProt ID:	Q9DCZ4
RefSeq Size:	935
Cytogenetics:	X C3



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RefSeq ORF: 594

Synonyms: 0610008C08Rik; 1110019O03Rik

Summary: Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Plays a crucial role in crista junction formation and mitochondrial function (By similarity). Can induce cardiac lipotoxicity by enhancing mitochondrial respiration and fatty acid metabolism in cardiac myoblasts (PubMed:24743151). Promotes cholesterol efflux from macrophage cells. Detected in HDL, LDL and VLDL. Secreted by a microsomal triglyceride transfer protein (MTTP)-dependent mechanism, probably as a VLDL-associated protein that is subsequently transferred to HDL (By similarity).[UniProtKB/Swiss-Prot Function]