

Product datasheet for **TP506225**

Dxo (NM_033613) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse decapping exoribonuclease (Dxo), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206225 protein sequence Red =Cloning site Green =Tags(s)
	<p>MEPRGTRKRAEKTEVEKPLNKLPRVPSLRTQPSLYSGPFPFYRRPSELGCFSLDAQRYHGDARALRYYSPPPINGPGPDFDLRDGYPDYQPRDEEVQERLDHLLRWVLEHRNQLEGGPGWLAGATVTWRGHLTKL LT</p> <p>TPYERQEGWQLAASRFQGTLYLSEVETPAARAQRLARPPLRELMYMGYKFEQYMCADKPGGSPDPSGEVNTNVAYCSVLRSLGNHPLLFSGEVDCLNPQAPCTQPPSCYVELKTSKEMHSPGQWRSFYRHKLLKWWA Q</p> <p>SFLPGVPHVAGFRNPEGFVCSLKTFPTMEMFENVRNDREGWNPSVCMNFCAAFLSFAQSTVQDDPRL V</p> <p>HLFSWEPGGPVTVSVHRDAPYAFLPSWYVETMTQDLPLSKTPSPKD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	45.3 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_291091

Locus ID: 112403

UniProt ID: O70348

RefSeq Size: 1472

Cytogenetics: 17 B1

RefSeq ORF: 1191

Synonyms: Dom3z; NG6

Summary: Ribonuclease that specifically degrades pre-mRNAs with a defective 5' end cap and is part of a pre-mRNA capping quality control. Has decapping, pyrophosphohydrolase and 5'-3' exonuclease activities. Has decapping activity toward incomplete 5' end cap mRNAs such as unmethylated 5' end-capped RNA to release GpppN and 5' end monophosphate RNA. The 5' end monophosphate RNA is then degraded by the 5'-3' exoribonuclease activity, enabling this enzyme to decap and degrade incompletely capped mRNAs. Also possesses RNA 5'-pyrophosphohydrolase activity by hydrolyzing the 5' end triphosphate to release pyrophosphates.[UniProtKB/Swiss-Prot Function]