

Product datasheet for **TP527106**

Alox5 (NM_009662) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse arachidonate 5-lipoxygenase (Alox5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227106 protein sequence Red =Cloning site Green =Tags(s)

MPSYTVTVATGSQWFAGTDDYIYLSLIGSAGCSEKHLLDKAFYNDFERGAVDSDYDVTVDEELGEIYLVKI
EKRYWLHDDWYLKYITLKTTPHGDYIEFPCYRWITGEGEIVLRDGRAKLARDDQIHILKQHRRKELEARQ
KQYRWMENPGFPLSIDAKCHKDLPRDIQFDSEKGVDFVLNYSKAMENLFINRFMHMFQSSWHDFADFEK
IFVKISNTISERVKNHWQEDLMFGYQFLNGCNVLIKRCTALPPKLPVTTEMVECSLERQLSLEQEVQEG
NIFIVDYELLDGIDANKTDPCTHQFLAAPICLLYKNLANKIVPIAIQLNQTPGESNPIFLPTDSKYDWLL
AKIWRSSDFHVVHTITHLLRTHLVSEVFGIAMYRQLPAVHPLFKLLVAHVRFITIAINTKAREQLICEYG
LFDKANATGGGGHVQMVQRAVDLTYSSLCFPEAIKARGMDSTEDIPFYFYRDDGLLVWEAIQSFTMEV
SIYYENDQVVEEDQELQDFVKDYYVYGMRGKKASGFPKSIKSREKLSEYLTVVIFTASQAHAAVNFGQYD
WCSWIPNAPPTMRAPPPTAKGVTIEQIVDTLPDRGRSCWHLGAVWALSQFQENELFLGMYPEEHFIEKP
VKEAMIRFRKNLEAIVSVAERNKKNKLPYYLSPDRIPNSVAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	78 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:	<u>NP_033792</u>
Locus ID:	11689
UniProt ID:	<u>P48999</u>
RefSeq Size:	2827
Cytogenetics:	6 53.79 cM
RefSeq ORF:	2025
Synonyms:	5-LO; 5-LOX; 5LO; 5LX; A1850497; F730011J02
Summary:	Catalyzes the first step in leukotriene biosynthesis, and thereby plays a role in inflammatory processes.[UniProtKB/Swiss-Prot Function]