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Product datasheet for TP506733

Acp2 (NM_007387) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse acid phosphatase 2, lysosomal (Acp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206733 protein sequence Red=Cloning site Green=Tags(s) MAGRQTGWSQAALLQFLLGMCLTVMPPIQARSLRFVTLLYRHGDRSPVKTYPKDPYQEEKWPQGFGQLTK EGMLQHWELGQALRQRYHGFLNTSYHRQEVYVRSTDFDRTLMSAEANLAGLFPPNEVQHFNPNISWQPIP VHTVPITEDRLLKFPLGPCPRYEQLQNETRQTPEYQNRSIQNAQFLNMVANETGLTNVTLETIWNVYDTL FCEQTHGLLLPPWASPQTVQRLSQLKDFSFLFLFGIHEQVQKARLQGGVLLAQILKNLTLMATTSQFPKL LVYSAHDTTLVALQMALNVYNGKQAPYASCHIFELYQEDNGNFSVEMYFRNDSKKAPWPLILPGCPHRCP LQDFLRLTEPVIPKDWQKECQLANDTADTEVIVALAVCGSILFLLIVLLLTILFRMQAQPPGYHHVADRE DHA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	48.5 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_031413
Locus ID:	11432

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UniProt ID:	P24638, Q3UZN1
RefSeq Size:	4669
Cytogenetics:	2 50.54 cM
RefSeq ORF:	1272
Synonyms:	Acp; Acp-2; LAP
Summary:	The protein encoded by this gene belongs to the histidine acid phosphatase family, which hydrolyze orthophosphoric monoesters to alcohol and phosphate. This protein is localized to the lysosomal membrane, and is chemically and genetically distinct from the red cell acid phosphatase. Mice lacking this gene showed multiple defects, including bone structure alterations, lysosomal storage defects, and an increased tendency towards seizures. An enzymatically-inactive allele of this gene showed severe growth retardation, hair-follicle abnormalities, and an ataxia-like phenotype. Two isoforms are predicted to be produced from the same mRNA by the use of alternative in-frame translation termination codons via a stop codon readthrough mechanism. [provided by RefSeq, Oct 2017]