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Product datasheet for AR51779PU-S

ACP2 / LAP (31-380, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ACP2 / LAP (31-380, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSRSLRFVT LLYRHGDRSP VKTYPKDPYQ EEEWPQGFGQ LTKEGMLQHW ELGQALRQRY HGFLNTSYHR QEVYVRSTDF DRTLMSAEAN LAGLFPPNGM QRFNPNISWQ PIPVHTVPIT EDRLLKFPLG PCPRYEQLQN ETRQTPEYQN ESSRNAQFLD MVANETGLTD LTLETVWNVY DTLFCEQTHG LRLPPWASPQ TMQRLSRLKD FSFRFLFGIY QQAEKARLQG GVLLAQIRKN LTLMATTSQL PKLLVYSAHD TTLVALQMAL DVYNGEQAPY ASCHIFELYQ EDSGNFSVEM YFRNESDKAP WPLSLPGCPH RCPLQDFLRL TEPVVPKDWQ QECQLASGPA DTE
Tag:	His-tag
Predicted MW:	42.9 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ACP2, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001289418
Locus ID:	53
UniProt ID:	P11117, E9PQY3, B7Z552
Cytogenetics:	11p11.2|11p12-p11
Synonyms:	LAP

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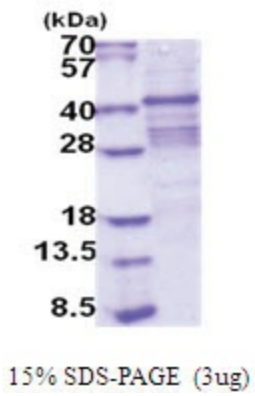
Summary: The protein encoded by this gene belongs to the histidine acid phosphatase family, which hydrolyze orthophosphoric monoesters to alcohol and phosphate. This protein is localized to the lysosomal membrane, and is chemically and genetically distinct from the red cell acid phosphatase. Mice lacking 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 in mice showed severe growth retardation, hair-follicle abnormalities, and an ataxia-like phenotype. Alternatively spliced transcript variants have been found for this gene. A C-terminally extended isoform is also predicted to be produced by the use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism. [provided by RefSeq, Oct 2017]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Lysosome, Riboflavin metabolism

Product images:



15% SDS-PAGE (3ug)