

Datasheet for ABIN7558622

## ACPL2 Protein (AA 1-480) (His tag)



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### Overview

Quantity:	1 mg
Target:	ACPL2
Protein Characteristics:	AA 1-480
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACPL2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Pxylp1 Protein expressed in mammalian cells.
Sequence:	<p>MLHRNRFLVL LALAGLLAFL SLSLQFFHLI PVSATKNGGS SKSRKRIMPD PVTEPPTVDP  VYEALLYCNI PSVAEHSMEG HAPHHYKLVS VHVFI RHGDR YPLYAIPKTK RPEIDCTLVA  SRKPYHPKLE AFISHMLKGS GASFESPLNS LPLYPNHPLC ETGELTQTGV VQHLLNGQLL  RDIYLRKHKL LPNNWSSDQL YLESTGKSRT LQSGLALLYG FLPEFDWKKV YFKHQPSALF  CSGSCYCPLR NQYLEKEQRR QYLLRLKNSD LERTYGEMAK IVDIPTKQLR AANPIDSMCL  HFCHNVSFPC SRSGCLGMEH FKVIKTHQIE DERERHEKLL YFGYSLLGAH PILNQTVNRM  QRAASGWRDE LFTLYSAHDV TLSPILSALG LLEARFPRFA ARLVFELWQD RQKPSEHSVR  ILYNGADVTF HTSFCHDFHK RSPKPMCPLE NLVRFVKRDM FVALDGSSTN YYDACHGEGA</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

ACPL2

### Alternative Name:

Pxylp1 ([ACPL2 Products](#))

### Background:

2-phosphoxylose phosphatase 1 (EC 3.1.3.-) (Acid phosphatase-like protein 2),FUNCTION: Responsible for the 2-O-dephosphorylation of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature glycosaminoglycan (GAG) chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUA $\beta$ 1-3Gal $\beta$ 1-3Gal $\beta$ 1-4Xyl $\beta$ 1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-dephosphorylation during completion of linkage region formation is a prerequisite for the initiation and efficient elongation of the repeating disaccharide region of GAG chains. {ECO:0000250|UniProtKB:Q8TE99}.

### Molecular Weight:

54.9 kDa

## Target Details

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UniProt: [Q8BHA9](#)

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months