

Product datasheet for **SC214682**

ACPL2 (PXYLP1) (NM_152282) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	ACPL2
Synonyms:	ACPL2; HEL124; XYLP
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_152282
Insert Size:	1749 bp



Insert Sequence:

>SC214682 3'UTR clone of NM_152282

The sequence shown below is from the reference sequence of NM_152282. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
TATGATGCATGTCACAGGGAAGGATTCTAAAGGTATGCAGTACAGCAGTATAGAATCCATGCCAATAC
AGAGCATAGGGAAGGTCCACTTCTAGTTTTGTCTGTTACTAAGGGTAGAAGATTATTGCTTTTTAAAG
GCTAAATATTGTTGTGGGAACACAGATGGTTGGGTTGAACAGTAAGCACATTGCTGCAATGTGGTA
CGTGAATTGCTTGGTACAAAATGGCCAGTTCACAGAGGAATAGAAGGTACTTTATCATAGCCAGACTTC
GCTTAGAATGCCAGAATAATATAGTTCAAGACCTGAAGTTGCCAATCCAAGTTGCACTCTTCTGGCCT
GCCCCATGTTACTATGTGATGGAACAGCACACCTCAACCAAAATTTTTTAATCTTAGACATTTTTAC
CTTGTCTTGTAAAGAATTTCTTGAAGTATTTATCTAAAATAAAGGTTGGCAAACTTTTCTGTAAAG
GGCCAGATTGTAATATTTTCACTGTGTGGACCAAAAGGCCACATACAGTCTCTGCATACTACTCA
ACTCTGTTTTCTGAAGCAGGAAAGCCACCACAGACAGTACATAAAGGAATATGTGTAGCTGGGTTCCAG
GCCGGACAAAACAGATGGTGACCAGATTTGGCCCTGGGCTGTAGTTTGTGACCCCTCATCTAAAAAA
TAGGCTATACTACAATTGCACCTCCAGCACTTTGAGAACGAGTTGAATACCAAGAAATTATCAATGGTT
CCTCCAGTAACCTTCTGCTAGAAACACAGAATTTGGTCTGTATCTGACACTAGAACAAAACCTTGAGGGTA
AATAAACATTGAATTAGAATGAATCATAGAAAACCTGATTAGAAGAATACTTGATGTTTATGATGATTGT
GGTACAAGATAGTTTTAAGTATGTTCTAAATATTTGTCTGCTGTAGTCTATTTGCTGTATATGCTGAAA
TTTTTGATGCCATTTAGTATTTTTATAGTTTAGGAAAATATTTCTAAGACCAGTTTATAGTACTCT
TATTCCTGTAGTAATATTCAATTTGCTGTACCTGCTTGGTGGTTAGAAGGAGGCTAGAAGATGAATTCA
GGCACTTTCTTCCAATAAACTAATTATGGCTCATTCCCTTTGACAAGCTGTAGAAGTGGATTCAATTT
TAAACCATTTTTCATCAGTTTCAATGGTAAATCTGATTGATTTTTAAATGCGTTTTTGAAGAAGCTTT
GCTATTAGATAGTTTACAGATCTTTATAAGGTGTTTTATATTAGAAGCAATTATAATTACATCTGTG
ATTTCTGAACATAATGGTGCTAATTCAGAGAAATGGAAGTGAAAGTGAGATTCTCTGTTGTCATCGGCA
TTCCAACCTTTTCTTTGTTTTGTCCAGTGTTCATTTGAATATGCTGTTTCTATAAAATAAATTTT
TTAAGAATACCTATACTATACTAATGGTTGTACCTATAAGTCACTCGAGTTATTTTCAAGTGAGA
GCCAGTATTTTATTTTCCCTTTCATTCAAATGTCATGCAGAGAACAGTATTTTAAATTTTATTTT
AACTGCTTTACTAACTGCTGAAAGTTGTGTTATCTCTCAAGTATTCAAAGACTAAATGTGTTTTCTTTC
CTTCCCACTCACAATATATCTGAATTAGAAGTCTAAACACAGCTTGAAGACTTAAAAATAAAGTGAC
TCGGAAGATTTTTTAAAAAATCAA
ACGCGTAAGCGGCCGCGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:

[NM_152282.5](#)

Summary:

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 β 1-3Gal β 1-3Gal β 1-4Xyl β 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. [UniProtKB/Swiss-Prot Function]

Locus ID:

92370

MW:

68.8