

Product datasheet for **SC214683**

ACPL2 (PXYLP1) (NM_001037172) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ACPL2 (PXYLP1) (NM_001037172) Human 3' UTR Clone
Symbol:	ACPL2
Synonyms:	ACPL2; HEL124; XYLP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001037172
Insert Size:	1749 bp



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Insert Sequence: >SC214683 3'UTR clone of NM_001037172
 The sequence shown below is from the reference sequence of NM_001037172. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TATGATGCATGTACAGGGAAGGATTCTAAAGGTATGCAGTACAGCAGTATAGAATCCATGCCAATAC
AGAGCATAGGAAAGGTCCACTTCTAGTTTTGTCTGTTACTAAGGTTAGAAGATTATTGCTTTTTAAAG
GCTAAATATTGTTGTGGGAACACAGATGGTTGGGGTTGAACAGTAAGCACATTGCTGCAATGTGGTA
CGTGAATTGCTTGTACAAAATGGCCAGTTCACAGAGGAATAGAAGTACTTTATCATAGCCAGACTTC
GCTTAGAATGCCAGAATAATATAGTTCAAGACCTGAAGTTGCCAATCCAAGTTTGCCTCTTCTGGCCT
GCCCCATGTTACTATGTGATGGAACCAGCACACCTCAACCAAAAATTTTTTAATCTTAGACATTTTTAC
CTTGTCCTTGTAAAGATTTCTGAAGTATTTATCTAAAATAAAGGTTGGCAAATTTTTCTGTAAG
GGCCAGATTGTAATATTTTCAGACTGTGTGGACAAAAGGCCACATACAGTCTCTGTCTATAACTACTCA
ACTCTGTTTCTGAAGCAGGAAAGCCACCACAGACAGTACATAAAGGAATATGTGTAGCTGGGTTCCAG
GCCGGACAAAACAGATGGTGACCAGATTTGGCCCTGGGCTGTAGTTGTGACCCCTCATCTAAAAAA
TAGGCTATACTACAATTGCCTCCAGCACTTTGAGAACGAGTTGAATACCAAGAATTATCAATGGTT
CCTCCAGTAACTTCTGCTAGAAACACAGAAATTTGGTCTGTATCTGACACTAGAACAAAACCTTGAGGGTA
AATAAACATTGAATTAGAATGAATCATAGAAAACCTGATTAGAAGAATACTTGATGTTTATGATGATTGT
GGTACAAGATAGTTTTAAGTATGTTCTAAATATTTGTCTGCTGTAGTCTATTTGCTGTATATGCTGAAA
TTTTGTATGCCATTTAGTATTTTTATAGTTTAGGAAAATTTTTCTAAGACCAGTTTTAGATGACTCT
TATTCCTGTAGTAATATCAATTTGCTGTACCTGCTTGGTGGTTAGAAGGAGGCTAGAAGATGAATTC
GGCACTTTCTTCCAATAAAAACATAATTATGGCTCATTCCCTTTGACAAGCTGTAGAAGTGGATTCATTTT
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GCTATTAGATAGTTTACAGATCTTTATAAGGTGTTTTATATATTAGAAGCAATTATAATTACATCTGTG
ATTTCTGAACTAATGGTCTAATTCAGAGAAAATGGAAAGTGAAGTGAGATTCTCTGTTGTCATCGGCA
TTCCAATTTTTCTTTGTTTTGTCCAGTGTGCATTTGAATATGTCTGTTTCTATAAATAAATTTT
TTAAGAATACCTATACTATACTAATAATGGTTGTACCTATAAGTCACTCGAGTTATTTTCAAGTGAGA
GCCAGTATTTATTTTTCCCTTCATTCAAATGTCATGCAGAGAACCAGTATTTTAAAAATTTATTTT
AACTGCTTTACTAACTGTGAAAGTTGTGTTATCTCTCAAGTATTCAAAGACTAAATGTGTTTTCTTTC
CTCCCACTCACAAATATATCTGAATTAGAAGTCTAAACACAGCTGAAGACTTAAAAATAAAGTGAC
TCGGAAGATTTTTTAAAAAATCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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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.

RefSeq: [NM_001037172.3](#)

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