

Product datasheet for **SC209944**

Lubricin (PRG4) (NM_005807) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Lubricin (PRG4) (NM_005807) Human 3' UTR Clone
Symbol:	Lubricin
Synonyms:	CACP; HAPO; JCAP; MSF; SZP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005807
Insert Size:	819 bp
Insert Sequence:	>SC209944 3'UTR clone of NM_005807 The sequence shown below is from the reference sequence of NM_005807. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
TTATCCAAAGTCTGGTACAACGTCTTAGACTGATGAGCAAAGGAGGAGTCAACTAATGAAGAAATGA
ATAATAAATTTTGACACTGAAAAACATTTTATTAATAAAGAATATTGACATGAGTATACCAAGTTTATAT
ATAAAAAATGTTTTAACTTGACAATCATTACACTAAAACAGATTGATAATCTTATTACAGTTGTTA
TTGTTTACAGACCATTTAATTAATTTCTCTGTTTATTCCTCTCTCCCTCCCATTGCATGGCTCAC
ACCTGTAAAAGAAAAAGAATCAAATTGAATATATCTTTTAAGAATTCAAACACTAGTGTATTCACTTAC
CCTAGTTCATTATAAAAAATATCTAGGCATTGTGGATATAAAACTGTTGGGTATTCTACAACCTCAATG
GAAATTATTACAAGCAGATTAATCCCTCTTTTGTGACACAAGTACAATCTAAAAGTTATATTGGAAAA
CATGGAAATATTAATAATTTTACTAGCTAAACATAATCACAAAGCTTTATCGTGTGTATA
AAAAAATTAACAATATAATGGCAATAGGTAGAGATACAACAAATGAATATAACACTATAACACTTCATA
TTTTCCAAATCTTAATTTGGATTAAAGGAAGAAATCAATAAATATAAAATATAAGCACATATTTATTAT
ATATCTAAGGTATACAAATCTGTCTACATGAAGTTTACAGATTGGTAAATATCACCTGCTCAACATGTA
ATTATTTAATAAACTTTGGAACATTAATAAAATAAATTGGAGGCTTAAGGATTAGAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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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:	<u>NM_005807.6</u>
Summary:	The protein encoded by this gene is a large proteoglycan that is synthesized by chondrocytes located at the surface of articular cartilage and by some synovial lining cells. This protein contains both chondroitin sulfate and keratan sulfate glycosaminoglycans. It functions as a boundary lubricant at the cartilage surface and contributes to the elastic absorption and energy dissipation of synovial fluid. Mutations in this gene result in camptodactyly-arthritis-coxa vara-pericarditis syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
Locus ID:	10216
MW:	32.3