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Product datasheet for SC217095

Oligodendrocyte Specific Protein (CLDN11) (NM_005602) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Oligodendrocyte Specific Protein (CLDN11) (NM_005602) Human 3' UTR Clone
Symbol:	Oligodendrocyte Specific Protein
Synonyms:	HLD22; OSP; OTM
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005602
Insert Size:	1965 bp

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Insert Sequence:

>SC217095 3'UTR clone of NM_005602
The sequence shown below is from the reference sequence of NM_005602. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCGACTCATGCGAAGAGTGCCCACGTATAAGAGGGCTGCCCGGCTGCCCACAGAGGTGCTGTAGATGCT
GGGCCCAGGGCCCTAGGTTTGCTCGTCACAGTGTGGGGAAGCCCATTCCTCTGCCAGGCTCTAAAGCCA
AAGGTCTAGAAAAGCATCCTGTCTGGCATTTTGTAGTCTTAACTTCTCCCCATTTCCCCCATCTTTTGG
TTGCCTTAAAAGAAATCTCTAGCTCAGATAATGCCCAGACATTTTTTTCCCTTGGTGTTGCCCCTATTA
GCTCTTTTCTTGGGCATTCTTTTGCTGTTTATTAAAAATATATTATATATATTTTGTTTCTTTAAATTT
CAAATGTTTTGCAAACATCACTGAGTTAGGTGGGGGTGGGGAAGAGAAATACAAGATACTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTAAATAGGGCCTCACTCTGTTGCTCAGGCTGGAGTGCGGTGGTGTGATCT
CGGCTCATGTAGCCTCAACCTCCCCGGCTCAAGTGATCCTCCTGCCTCAGCCTCCCAAGTAGCTGGGAC
TACAGGCGTTCACTACTACACCCAGCTAATTTTTAAGTTTTTTATAGAGATGAGGGCTCCCTATGTTGC
CCAGGTTGGTCTCGAACTCCTGGACTCAAAGTATCCTCCCGCCTCGGCCTCCCAAAGTGTTGGGATTAT
AGGAGTGAGCCACCACACCGGCCAAGATGCTTTTCAAACTGATACAGATGACAATGGGAGCCTCATAAA
GATGGCTTTTGTTTCTTCCCTTCAAGGTCATTTACTTGTACGAGACAGAAAAAGATAGCATTGGGGACA
TGGGATGGGGGAGGGAGGGCAATAGTGGAACGAACTTTCCATGGGAAACTTTCCCTTTTGTAAGTTGAG
GGCCAGGGGTAGGGATATTTTTTAGTTTGTGATTTTACATTTATCTGTACATACTTTTTCAAGATTGAT
CATTTTTATAACCATGGTTTTCCTGAAATCCTCAATTCATCAATATGAAGGAAATGAACCACATAGACT
TTATGCAATAAATAACAGTGCAAGTGAGTATAACTCTAACTGATGTTCCACAAAACATTTTTGATTTCA
GGTTTGTATGATGTAGTTTTTAATCGTACATTTTCATATGCTTCAAACTAACACATTTTTAAAGCTTTC
CCCCACTTTTCTCTCTATTTGTATTGTTAGCCATCTTGAAGTGATGTTGTTTAACATAAATTGTACTGT
TGAATTTGGCTTTACGGGTGTAAACACTGATGGTATATCAGTATCTGAGACCCCAAACTCTCCAAATAC
TGATGGTGCATTTTATTCTTGAAGTGAAATCTGTGCAATAAAATAACAGACTGTCTGCAAAACTGGCCT
TCAATCTTCTGTTGTATCCAGAGGTATCATTATTGATTTAAAAAAATCTCATTAATCTCTACTGGTAAT
TTATAGGGAATCTGATCAGTGATTCAAGAACAAGTAATTCTGCATTGCCTTGAATAATTAAAAAGTTAT
ATTTTATTCACGGTATTGCAGTGGTAATTTGTGGTCATGAAAGCATAACCTCAGTGCTCTCTAGGTTTC
TTAAGTGGGGTGACTTTATGGCATCTTTAATCATCGATCAATGGGCAGCAATCAGAAACAAAGTTCTCA
GCATTATGCAGTTAATGTCCTTCATCTACTTCTAACACTTAGTAAAGGAATTGATTGGCTAGGTATAAA
AAGAGAATTAACGAAACCTATTTTATTGGATCTTTAAGTAATAATATCTAAATACATTTCGTTCAAACA
TACATATGTAGCTGTTTGGACATTTTGGACAAAGACACATTGAGTTGATTTTTATTTGTTTTTCTGTTC
CAGAAACTTCATCAAGTTACGGGCCTGGTCTAAGAAAACACATTGCAATCTATTTTGGCAGACTTCTTT
CAAATAAAATACTAATTTCATTAGCTGATAGTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_005602.6

Summary: This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. The protein encoded by this gene is a major component of central nervous system (CNS) myelin and plays an important role in regulating proliferation and migration of oligodendrocytes. Mouse studies showed that the gene deficiency results in deafness and loss of the Sertoli cell epithelial phenotype in the testis. This protein is a tight junction protein at the human blood-testis barrier (BTB), and the BTB disruption is related to a dysfunction of this gene. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Aug 2010]

Locus ID: 5010

MW: 75.9