

Product datasheet for **SC107779**

SLC26A2 (NM_000112) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A2 (NM_000112) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC26A2
Synonyms:	D5S1708; DTD; DTDST; EDM4; MST153; MSTP157
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000112 edited
 ATGTCTTCAGAAAGTAAAGAGCAACATAACGTTTCACCCAGAGACTCAGCTGAAGGAAAT
 GACAGTTATCCATCTGGGATCCATCTGGAACCTTCAAAGGGAATCAAGTACTGACTTCAAG
 CAATTTGAGACCAATGATCAATGCAGACCTTATCATAGGATCCTTATTGAGCGTCAAGAG
 AAATCAGATACAACTTCAAGGAGTTTGTATTTAAAAAGCTGCAGAAGAATTGCCAGTGC
 AGTCCAGCCAAAGCCAAAAATATGATTTTAGGTTTCTTCTGTTTTGCAGTGGCTCCCA
 AAATACGACCTAAAGAAAAACATTTTAGGGGATGTGATGCAGGCTTGATTGTGGGCATA
 TTATTGGTGCCCCAGTCCATTGCTTATTCCCTGCTGGCTGGCCAAGAACCCTGTCTATGGT
 CTGTACACATCTTTTTTGGCAGCATATTTATTTCTCTTGGGTACCTCCCGTCACATC
 TCTGTGGGCATTTTTGGAGTACTGTGCCTTATGATTGGTGAGACAGTTGACCGAGAATA
 CAGAAAGCTGGCTATGACAATGCCCATAGTGTCTTCTTAGGAATGGTTTCAAATGGG
 AGCACATTATAAATCATACATCAGACAGGATATGTGACAAAAGTTGCTATGCAATTATG
 GTTGGCAGCACTGAACCTTTATAGCTGGAGTTTATCAGGTAGCGATGGGCTTCTTTCAA
 GTGGGTTTTGTTTCTGTCTACCTCTCAGATGCCTTGTGAGTGGATTTGCACTGGTGCC
 TCCTTCACTATTCTTACATCTCAGGCCAAGTATCTTCTGGGCTCAACCTTCTCGGACT
 AATGGTGTGGGCTCACTCATCACTACCTGGATACATGTCTTCAGAAACATCCATAAGACC
 AATCTCTGTGATCTTATACCAGCCTTTTGTGCCTTTTGGTTCTTTTGCCAACCAAGAA
 CTCAATGAACACTTCAAATCCAAGCTTAAAGGCACCGATTCTATTGAACTTGTGTTGTT
 GTAGCAGCCACATTAGCCTCTCATTTTGGAAAACACATGAAAATTATAATTCTAGTATT
 GCTGGACATATCCCCTGGGTTTATGCCACCCAAAGTACCAGAATGGAACCTAATTCCT
 AGTGTGGCTGTAGATGCAATAGCTATTTCCATCATTGGTTTTGCTATCACTGTATCACTT
 TCTGAGATGTTTGCCAAAGAACATGGTTACACAGTCAAAGCAAACCAGGAAATGTATGCC
 ATTGGCTTTTGAATATCATCCCTTCTTCTTCCACTGTTTTACTACTAGTGCAGCTCTT
 GCAAAGACATTGGTTAAAGAATCAACAGGCTGCCATACTCAGCTTCTGGTGTGGTAACA
 GCCTGGTTCTTTTGTGGTCTCCTAGTAATAGCTCCTTTGTTCTATTCCCTTCAAAAA
 AGTGTCTTGGTGTGATCACAATTGAAATCTACGGGGAGCCCTTCGTAATTTAGGGAT
 CTTCCCAAAATGTGGAGTATTAGTAGAATGGATACAGTTATCTGGTTTGTACTATGCTG
 TCCTCTGCACTGCTAAGTACTGAAATAGGCCTACTTGTGGGTTTGTGTTTTCTATATTT
 TGTGTCATCTCCGCACTCAGAAGCCAAAGAGTTCAGTCTTGGCTTGGTGAAGAGTCT
 GAGGTCTTTGAATCTGTGTCTGCTTACAAGAACCTTCAAGTAAAGCCAGGCATCAAGATT
 TTCGCTTTGTAGCCCTCTCTACTACATAAACAAGAATGCTTTAAATCTGCTTTATAC
 AAACAACTGTCAACCCAATCTTAATAAAGGTGGCTTGAAGAAGGCAGCAAAGAGAAAG
 ATCAAAGAAAAAGTAGTACTCTTGGTGAATCCAGGATGAAATGTCAGTGAACCTTTCC
 CATGATCCCTGGAGCTGCATACTATAGTATTGACTGCAGTGAATTCATTTTTAGAT
 ACAGCAGGGATCCACACTGAAAGAAGTTCGAGAGATTATGAAGCCATTGGAATCCAG
 GTTCTGTGGCTCAGTGAATCCCACTGTGAGGGATTCCCTAACCAACGGAGAATATTGC
 AAAAAGGAAGAAGAAAACCTTCTTCTATAGTGTGATGAAGCGATGGCTTTTGCAGAA
 GTATCTAAAAATCAGAAAGGAGTATGTGTTCCCAATGGTCTGAGTCTTAGTAGTGATTA

Chromatograms: https://cdn.origene.com/chromatograms/ja1669_e12.zip

Restriction Sites: NotI-NotI

ACCN: NM_000112

Insert Size: 2200 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_000112.2 , NP_000103.1
RefSeq Size:	7367 bp
RefSeq ORF:	2220 bp
Locus ID:	1836
UniProt ID:	P50443
Cytogenetics:	5q32
Domains:	Sulfate_transp, STAS
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The diastrophic dysplasia sulfate transporter is a transmembrane glycoprotein implicated in the pathogenesis of several human chondrodysplasias. It apparently is critical in cartilage for sulfation of proteoglycans and matrix organization. [provided by RefSeq, Jul 2008]