

## Product datasheet for **SC127661**

### **SLC35B4 (AK056475) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLC35B4 (AK056475) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35B4
Synonyms:	YEA; YEA4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK056475, the custom clone sequence may differ by one or more nucleotides

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ATCTTGAATAGGAGGAACGCTGTTGCTGTAATATGCGTAGCTTGTGTGCTCTTGTGTAGTCTGTGTG
GATCAAAGGGCACGGAAGTGGCTGCACCTTCCATCCCTTTTCTTACTAGCTGGAACCTTACATACCA
GTACATGCTCCTCTGTAAGCAGCTGAACCTACCGGCCACTTCTCTGTTTGCCTATAGACAAGACTGTG
GTGTGTGTGTGTGTGTATGTATGTGTGTGTGGTGCACACATTGTGTTCTTAAACTGAGACGTGGCT
CTGCAGGTCTCCTGGGCTCATTCCATGGTGTGGTATGTTTATTCCACTGTCCAGAGCTATTCTCTGATGG
ATTTGAGCAACAGCAGTGGAGATAAATGTCTAGAGTCACCAGGTCGCTTGGAGAAGTCATTTAAGCTGC
CTCGGGTTTTTGTACTTAAATGTGGATATTATTTCTCCACCTAAATCACTGAGTTTACAGAGTAATA
TGTGTTGCTCTGGACATTGACAGCTTCTAGAGCCAGTAATGGGCTCTTGAAGGATGCTGAATTAGAA
GTGAACCTATTCATAGGATCAAAGCCACTTGCTTTGAAATATGTAGAGTTCCTCAGAATTGACGGTGT
AGAAATATCCAAGTGTTAAATAACCTTTAAAAGCAACAAAAGCTACTTTTTTCTTACCCTTAATAGAA
GAACCTGTCCCTAGAGGGCACTTATTGCTATGGATCTGGAGTCTCTGAACCTTAAATAGGATGCAGCCT
CACATACATAATGCACCCATTTATGTTGATGAAAACATTACAAGTTTTCATCATTGGGTATGTGTTGA
TGTTCCACAGACAGTACTTGGGCCATTAGGTTTTCGCGTCTGGTCTTAGAGCATGTGATTATCATCTCAGC
GTGAATACCTCAGCCAGTCTTATGAATAGGAGGCTATGTATGGGCAGGGAATAGATTAGATTAGAACT
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AACTATTTGTAGAAGATCAGACTCCTACTTAACTGGAAGAGAAATGTCTATTAATGCTCTCCTCTTT
CTCTGGGTCAAGACCATGTAATTTTATGCTTACAGAGATGAAGATACTGTTTGTTTACAAAGAGTTGTT
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GTTATCTTTTTCATGTTTATTAGTAATTTATTTTGTATTCTTTGTTTTCTTTTTCGTCCAACATAAAACA
CTGTAATGTAAGTACTGATACATTTATCAAGTCTAAAGTATTTAGACAAATCAAATACTTTGTTTTAG
TTTTTCTCCTTTCCATCCTGTTAACCACAGTAAACGCTGCAGTATTTGATTTGGTCAGTGTACGG
AGGAAGACCATGAAAGCTGAATTGGTCTGTGCCACCCAGAGTAAACCTCTCTCTTCTTCTGAAAGATG
GCGTGATGTTTTCAAGGATTCTAATAAATATCCCGCAGTCATCTCTGAGCAGCTTTCCTCTGTTTCAC
TTCCGAACTCCTTCCCCACTTTCTTCACTCCAGTTTCTTCACTTGCAGGTTTTCTGCTAAGAAAGACT
TATCATCTTGATCTGTTTATGCCTCTCTTCTTTGGGGCCCTGGATGTTTTTGTGGATTTTACAGAGT
ATTTATATCTGCACAGCGTGTATTTTGTATACATTTTACAAGCATTGATATTGGGGGGTACATTTATA
ATAGTGAGAAATCTGGCAGAAATGTGTGAATGCCATATCTGTAGATGACGATGAATGTGAAGGGTAAATG
TAGAAATGTTGTTTATTCTGTTACAGCTCAAAATGGAGGCTGAGAACTCTACCACCATTCCCTTCTCT
ATTTGAGAATCTTACCACCATTCCCTTCTCTATTTGGGAAACAATACTCTTATTTTGTATTTTTAC
CTTCCATTAACCTGGCTTCACTCAACAGTGCAGATACCTATGGAGAGGGGAAGTAAAACACCTTAGGTC
AGGAATAATAAACCAATGAGTTAGCTCAGGGCCGGTGGACATGTTCACTGGTGGACAGTTGGCATTGAC
CTAAACGGACAGAGAAATGCACATGGAGGAGAACTACGTTGAAATCAAGATCCTATGTCTGTGATTTT
CTCTTTGCCTGGAGTAAATAGCATTATAAGTCATTCCACCCTTATTAGATAACCAAAGCATATTGGTCTC
AATAGCTTTCTCCTGAAAAATGTGATTGAATCTTACCTGTAGCAGTTCCTCTTAAAGTTGAAAGAACTG
TCAATATAGATAAAATCCATTCTTATTATTATTGATTGGTGTGACATTTGAAAATGTGTCTAAACAATA
TTTGAAGTAAAAGAACCAGTCATAAGCCTCAAATGTGTTCAAGTGTGACCAAGCTGGAATGGGAGACTG
GCCCTCTGGCTTTAAAGTAGCATGTTGTCTTTTCTAGCAGCTTCTTCTAGTAGACATTCCAGGGAT
GGGAGGGGCCAGGGATCATGTCTTACTCATTTCTGTATCGCCAGCCCTGGCATAGTGTCTGGCTTATGT
TACGTGAATAAATGAATGCTTGCC
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AK056475 unedited TGTAATACGACTCACTATAGGGCGGCCGAAATTCGCACGAGGGGAGCAAAAATCAAAT AGCAAAGGACACTAGCCAGAAAAACAGTGTGTGTGTGCACCTGTGTGCCTGCTGAAC AACTTGACAGTGTAAACAGATAAGGTAAGTGAAGATGGTGGATATTTGAATTGATTAGCT TAATGTCTACATATCTTTGGCCAAAACCTATTGTCATATTAGAAACATGTTATCTTTTT CATGTTTATTAGTAATTTATTTTTGATTCTTTGTTTTCTTTTTCGTCCAATAAAACAAC TGTAATGTACTTGATACATTTATCAAGTTCTAAAGTATTTAGACAAAATCCAAATACTT TGTTTTAGTTTTTCCCTCTTCCATCCTGTTAACCACAGTGAACGCTGCAGATTTTT GATTTGGTCAGTCTACGGAGGAAGACCATGAAAGCTGAATTGGTCTGGTGCCACCCAGA GTAACCTCTTCTCTTCTGGAAGATGGCGTGATGTTTTCAAGATTCTAATAAAT ATCCCGCAGTCATCTCCTGAGCAGCTTTCCTCTGTTTCACTTCGGAACCTTCCCCAC TTTCTTCACTCCAGTTTCTTCACTTGCAGCGTNTCTGCTAAGAAAGACTTATCATCTTG TATCTGTTTATGCCTCTTCTTTGGGCCCTGGATGNNNTTGTGGATTTTACAGAGT ATTTATATCTGCACAGCGTGTATTTTGTATACATTCNTACCAGCATTGATTTGGGGG GTACATTCATTATAGTGAGAATATCTGGCAGAATGTGTGAATGCCATATCTGAAATGAC GATGAAATGTGAAGGGTTATGTANAAATGTTTGTATTCTGTTACAGCTCAAATGGA GCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK056475
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">AK056475.1</a></u>
<b>RefSeq Size:</b>	2964 bp
<b>RefSeq ORF:</b>	2964 bp
<b>Locus ID:</b>	84912
<b>Cytogenetics:</b>	7q33
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

Glycosyltransferases, such as SLC35B4, transport nucleotide sugars from the cytoplasm where they are synthesized, to the Golgi apparatus where they are utilized in the synthesis of glycoproteins, glycolipids, and proteoglycans (Ashikov et al., 2005 [PubMed 15911612]). [supplied by OMIM, Mar 2008]