# SLC35B3 cDNA Clone – Solute Carrier Family 35, Member B3 (Human)

## PRODUCT OVERVIEW

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| **Product Name** | SLC35B3, cDNA Clone |
| **Full Product Name** | SLC35B3 cDNA Clone |
| **Product Gene Name** | SLC35B3 cdna clone |
| **Sequence** | atggacttga cacagcaagc aaaagacata cagaacataa cagtccagga aaccaacaaa aataactctg aaagcattga atgcagcaaa ataacaatgg atctcaagtt caacaattcc aggaaatata tttctatcac tgtgccatcc aaaacccaaa caatgtcacc acacatcaag tcagttgacg acgttgtggt acttggcatg aatctcagca agtttaacaa acttactcag tttttcatat gtgttgctgg agtttttgta ttttacctaa tttatgggta tttacaggaa ttaatatttt cagtggaggg ttttaagtcc tgtggctggt accttacctt agtgcagttt gccttttact ccatatttgg cctaatagaa cttcagctta ttcaggacaa aaggaggaga ataccaggaa aaacctacat gataatagct tttctaactg tgggtactat ggggttatca aacacttcct tgggctacct gaattaccct acccaagtca tcttcaagtg ctgcaaattg attcctgtta tgctaggagg agtttttatt caaggaaagc gttataatgt tgcagatgtg tctgctgcca tatgtatgag ccttggcctg atatggttta ccctcgctga cagcacaact gcaccaaatt tcaacctgac gggtgtggtg cttatttccc tggcactatg tgcagatgcc gtcattggaa atgttcaaga gaaagctatg aaacttcata atgcttctaa ttctgaaatg gtattgtatt cgtattcaat tggttttgta tacattttac tgggattgac atgcactagt ggattaggcc ctgcagtaac attttgtgca aagaatccag ttcggaccta tggttatgcg ttccttttt ccctcactgg atattttgga atctcctttg ttctggcttt gattaaaatt tttggtgcac ttattgctgt aacagtgaca acaggaagaa aagcaatgac cattgtactt tcgtttatat tctttgctaa accattcacg tttcagtatg tatggtctgg tttgttagtt gtccttggta tatttctcaa tgtttacagc aaaaatatgg ataaaataag actaccatca ctgtatgatt tgataaacaa atcagtggaa gcaagaaagt caaggacgct ggcacagact gtatag |
| **Molecular Weight** | 31,531 Da |
| **OMIM** | 610845 |
| **Vector** | pENTR223.1 or pUC |
| **Clone Sequence Report** | Provided with product shipment |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for SLC35B3 cdna clone** | MBS1268357 is a cDNA clone targeting SLC35B3. |
| **Other Notes** | Small volumes of SLC35B3 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC35B3. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 13937756 |
| **NCBI GeneID** | 51000 |
| **NCBI Accession #** | BC006973 |
| **UniProt Secondary Accession #** | Q1XH11; Q6MZJ0; Q7Z662; Q9Y308; A6NKX9 |
| **UniProt Related Accession #** | Q9H1N7 |
| **NCBI Official Full Name** | Homo sapiens solute carrier family 35, member B3, mRNA |
| **NCBI Official Synonym Full Names** | solute carrier family 35 member B3 |
| **NCBI Official Symbol** | SLC35B3 |
| **NCBI Official Synonym Symbols** | CGI-19; PAPST2; C6orf196 |
| **UniProt Protein Name** | Adenosine 3'-phospho 5'-phosphosulfate transporter 2 |

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|---|---|
| **UniProt Synonym Protein Names** | 3'-phosphoadenosine 5'-phosphosulfate transporter; PAPS transporter 2; Solute carrier family 35 member B3 |
| **Protein Family** | Adenosine 3'-phospho 5'-phosphosulfate transporter |
| **UniProt Gene Name** | SLC35B3 |
| **UniProt Synonym Gene Names** | C6orf196; PAPST2 |
| **UniProt Entry Name** | S35B3_HUMAN |
| **NCBI Protein Information** | adenosine 3'-phospho 5'-phosphosulfate transporter 2 |
| **NCBI Summary for SLC35B3** | This gene is a member of the solute carrier family. The encoded protein is involved in the transport of 3-prime phosphoadenosine 5-prime phosphosulfate (PAPS) from the nucleus or the cytosol to the Golgi lumen. This gene has been reported to be expressed preferentially in the human colon tissues. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013] |
| **UniProt Comments for SLC35B3** | SLC35B3: Mediates the transport of adenosine 3'-phospho 5'- phosphosulfate (PAPS), from cytosol into Golgi. PAPS is a universal sulfuryl donor for sulfation events that take place in the Golgi. Compensates for the insufficient expression of SLC35B2/PAPST1 during the synthesis of sulfated glycoconjugates in the colon. Belongs to the nucleotide-sugar transporter family. SLC35B subfamily. 3 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Membrane protein, multi-pass; Transporter, SLC family; Transporter; Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 6p24.3<br><br>Cellular Component: Golgi membrane; integral to endoplasmic reticulum membrane; integral to Golgi membrane<br><br>Molecular Function: 3'-phosphoadenosine 5'-phosphosulfate transmembrane transporter activity<br><br>Biological Process: 3'-phosphoadenosine 5'-phosphosulfate biosynthetic process; positive regulation of defense response to virus by host |
| **Research Articles on SLC35B3** | **1.** The specifically up-regulated non-coding gene HULC in HepG2 cell line has some effects on the expression of its neighboring gene SLC35B3. |
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