

Product datasheet for SC113178

UGCGL2 (UGGT2) (NM_020121) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGCGL2 (UGGT2) (NM_020121) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGCGL2
Synonyms:	HUGT2; UGCGL2; UGT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113178 sequence for NM_020121 edited (data generated by NextGen Sequencing)

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ATGGCGCCAGCGAAAGCCACGAACGTGGTGC GGCTGCTACTAGGCTCCACAGCGCTGTGG
CTTTCGACGCTCGGCTCCGGGACGGTCGCTGCGTCCAAGTCGGTGACTGCCCACTTGGCC
GCGAAGTGGCCCCGAGACCCCGCTGCTGCTGGAGGCAAGTGAATTTATGGCAGAAGAAAGT
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AAACCTTGCTGATGTTTTCTATTCTCACGAAGTTCCTCTTAGAATTGGTTTTGTGTTCAAT
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 TTCAACTATATTGCAGAAGAATTTGATATATCAGAAGCATTATTTCTATAGTACACATG
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 CATCTTTTAAGACGGAATACCATATCAGTGCTTTATATGTAGTGGATCTCAAGAAGTTC
 AGGAGAATTGGAGCAGGTGACAGGCTCAGGAGCCAGTATCAAGCTCTCAGTCAAGATCCA
 AACAGTCTTTCAAACCTAGATCAGGATCTCCCCAATAATGATTTACCAAGTCGCCATT
 AAGTCTCTTCTCAAGACTGGCTGTGGTGTGAAACCTGGTGTGATGATGAATCCAAACAA
 AGAGCCAAAACAATTGATCTGTGCAATAATCCCAAAACAAAAGAATCCAAACTAAAAGCT
 GCTGCCAGAATTGCCCAGAATGGGTGGAGTATGATGCTGAGATAAGACAACCTATTAGAT
 CATCTTGAACAAAGAAGCAAGATACAATTTTGACACATGATGAACCTAG

Clone variation with respect to NM_020121.3
90 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020121 unedited
TCAAATTTGTATACGACTCCTATAGGGCGGCCGAATTCGCACGAGGACAGACTGTGGG
TACCGGGTCCGAGGGACTCGCGCTTTTCTCTCCGTGCCATGGCGCCAGCGAAAGCCACGA
ACGTGGTGCGGCTGCTACTAGGCTCCACAGCGCTGTGGCTTTCGCAGCTCGGCTCCGGGA
CGGTGCGTGCCTCAAGTCGGTGACTGCCCACTTGGCCGCGAAGTGGCCCGAGACCCCGC
TGCTGCTGGAGGCAAGTGAATTTATGGCAGAAGAAAGTAATGAAAAATTTGGCAGTTTT
TGGAACTGTGCAAGAATTAGCAATTTATAAGCAAACAGAATCAGATTATTCTTATTACA
ACTTAATCCTGAAGAAAGCTGGACAGTTTCTAGACAATTTACACATCAACCTTTTAAAGT
TTGCTTTCTCTATAAGGGCATACTCCCCAGCTATTCAGATGTTTCAGCAGATTGCAGCTG
ATGAGCCACCACAGATGGTTGTAATGCATTTGTGGTTATTCATAAGAAGCACACCTGTA
AAATTAATGAGATTAAAAAGCTGCTGAAGAAAGCTGCTTCAAGGACTAGACCTTATCTAT
TTAAAGGAGATCACAATTTCTACAAACAAAGAGAACTTACCAGTGGTGATTCTCTATG
CCGAAATGGGTACTAGAACATTTAGTGCATTTCAAAAGTATTGTCTGAAAAAGCTCANA
ATGAGGAAATCTGTATGTTCTTCGCCATTATTCAGAAACCAAGCTCACGGNAAATGT
ACTTATCTGGGTATGGTGTGGAGCTAGCATTTAGAGTACAGATACCAAGCACTGGATGAT
ACCCAAGTTAACTGTGACTATACTACTGTANAGGATGAGACTGAAACAATGGAGTTCAA
GGATTCTCTTTGGGAACTATNACAGGNATAGCCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_020121

Insert Size:

5000 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).

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:

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_020121.2, NP_064506.2

RefSeq Size:

4848 bp

RefSeq ORF:

4551 bp

Locus ID:

55757

UniProt ID:

Q9NYU1

Cytogenetics:

13q32.1

Domains:

Glyco_transf_8

Gene Summary:

UDP-glucose:glycoprotein glucosyltransferase (UGT) is a soluble protein of the endoplasmic reticulum (ER) that selectively reglucosylates unfolded glycoproteins, thus providing quality control for protein transport out of the ER.[supplied by OMIM, Oct 2009]