

Product datasheet for RC212218

UGGT (UGGT1) (NM_020120) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGGT (UGGT1) (NM_020120) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UGGT
Synonyms:	HUGT1; UGCGL1; UGT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212218 representing NM_020120 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTGCAAGGGAGACGCGAGCGGTGCGTGTGCCGCGGGTGCCTGCCGGTGACAGGAGTTTGTCTATA
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CAGATCAGGAAAACTTACATAATATGGTTTTCATAGTTGATCCTGCACATGAGACCACAGCAGAGTTGA
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Protein Sequence: >RC212218 representing NM_020120
 Red=Cloning site Green=Tags(s)

MGCKGDASGACAAGALPVTGVICYKMGVLVVLTVLWLFSSVKADSKAITTSLLTTKWFSTPLLEAEFLAE
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 KQRIIWGYKILFLDVL FPLVVDKFLFVDADQIVRTDLKELRDFNLDGAPYGYTPFCDSRREMDGYRFWKS
 GYWASHLAGRKYHISALYVVDLKKFRKIAAGDRLRGQYQLSQDPNSLSNLDQDL PNNMIHQVPIKSLPQ
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 TKEPSREGPQKREEL

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Chromatograms: https://cdn.origene.com/chromatograms/mg4920_g02.zip

Restriction Sites: SgfI-MluI

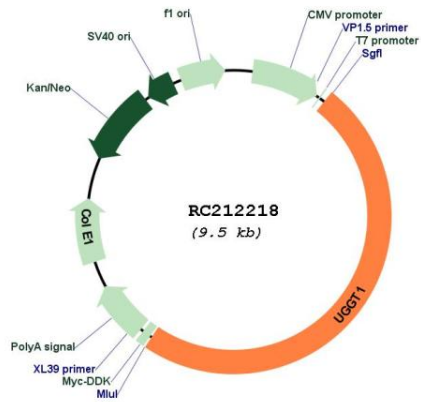
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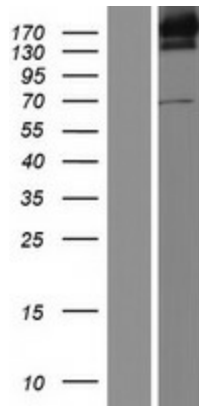
ACCN: NM_020120

ORF Size:	4665 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_020120.4
RefSeq Size:	6385 bp
RefSeq ORF:	4668 bp
Locus ID:	56886
UniProt ID:	Q9NYU2
Cytogenetics:	2q14.3
Protein Families:	Druggable Genome, Transmembrane
MW:	177 kDa
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]

Product images:



Circular map for RC212218



Western blot validation of overexpression lysate (Cat# [LY412660]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212218 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).