

## Product datasheet for **SC216690**

### **UBL4A (NM\_014235) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	UBL4A (NM_014235) Human 3' UTR Clone
Symbol:	UBL4A
Synonyms:	DX254E; DXS254E; G6PD; GDX; GET5; MDY2; TMA24; UBL4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014235
Insert Size:	1852 bp



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**Insert Sequence:** >SC216690 3'UTR clone of NM\_014235  
The sequence shown below is from the reference sequence of NM\_014235. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGACAATGGAGAAGGGCTTCTCCAAATAGAATTCTCGGAGCATGGGGAGGTGCCAACGCCAGGCTAC
CGTGTCATGTCGCACTAAGTGTGTTCTCTGTTGTCAGTTGGGCTCATCATCATAGCTGGCATGTAC
CTGGCTCTGGCCAGGTGCTAGGCACTCCTCACAGCTTGACCTGGGTTTGCTTCCACACCCTCAGAAGAG
GAGAGCCGGCACAGCAGAGGCCACCGCGATGAAGTGGCACAGCCCAGTCGGAATCCAGCGGCTTCTGA
AAGTGCCTTGGTGTGAGAAGGAGGAAGGGGCCGTTGGAGAGCTGGGCTCTCGCATGTATGTTAGCC
CACTGAGAATATACCCTCAGGTGACTCCCTCCCGATCCTGAAAGGAAAGCAGCTGTACCTGACTTCT
GGCGGGTCCAACATAGCCCTCAGCTTACCTCTGCAGGAGGCCAAGTGACAGCCAGCCCTGGAACCCCC
GACCCCGCAGCTGCTGCAGCCAGTGTGCCAGTGTGCGTTGACAAATGGAAAAGCAGATTGGGGCCAG
GGAGTCAGCAAGGCACCCAGCTCTGTGATGTGACTTTGGGCGAGTCTCAGTGCCACTTGGTCCCCAGC
CATGGACTCTATACAGTGAGGGCACTCACCGACTGAGTCAAGTGTCTCTGTCTCACAGGGCCCTCT
CCCTTCTGTTTCAAGTAAACAACTGAAGCCAAAAATGAAGCCGTGGCCAAGTGTGACCCAGAGATGGGGT
GTCCTGGCCCTTGTGACACAGCTCCTCTCTGGGGCACCTATCTGCTTGTCTCGTCCAGGAAGCGTTA
GGGCTGATGGGTGACTCAGCAAGGCAGTGTGAGAGCTGGGACTGGGCGTAGGCCTTTGTCCTCATCCCC
AGCACTGGCCTCCCTGTGGAAGATGAACATATCCAGCCACCTGTGTACAGGGGCTCACTTTGTGTGCT
CCTTGTGCTGAGAAGAAACCTTGGGGTGCCAGGGTGGGGCAGAAGCATGGACTGGGTCCGGTTCA
TCCTCTCCACCTGCCGTGTGTGTGGGCACAAGAGGACATCTAACCCCTGCTCCTTGGAGGAGGCC
CCAGGGGTGGTAGAGGCTGGAAGGAAGCCACATCAGGAGGACGCCACTCCGGCCCTTACCCTTGCCAA
GTGAGCTGCTCACAGTGTGGTCAAGGCTGCGCGTGTGGAGGCCCTCTGCTGGGCCTTGTGGGCAA
ATATTGGTCCCCAGGCTGGAAGATGGACAGAGGCCAATGGGTGAAGGCTTTGAAGAGCACACAGAA
GCCCTGGCCCCCAGGAGAGCTGGAGAGCCATGTATATGGCTTCAAAGCCACCTACGGCAGGGACACA
CTCGTGAGCATGTGTGGCTGCAGTTCAGGTGATACATTTACCAGTGTCTTGTGTTGTGGTCCAGG
AAATTGATTTTGGAAAAGTGAATAACATTAAGGTGAATGTGAGGCTTCTACTTTTATCCAAAAGGA
GCTATATTAGCTAGGCTGTTTCTGATATCCAATCATTGGTTTAAACAATAAAGCAATTTGTTAATCAG
TTAACGGAAATTTCTTGGCTTATGAAAGTGAAGTCCAGTGGTATTGGCATTGGCAGCAGGTGAGCAA
TTTCACCCAGTGTCTTCTGCCTCCTCTGCGTTGGTATCTGCTACATCCAGGCCACCACCTCCGAGGA
TGAAAAGATGGCTGCCTGCAGCTTCCACGGAATCCCTCCCTCACTGCCAGAGCAGCATCTTCTGTGT
ACCACCTGTGCTCTCAGATGCCCCAGCAAATAAACACTCTTCTCGTTGGTCAGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_014235.5](#)

**Summary:**

As part of a cytosolic protein quality control complex, the BAG6/BAT3 complex, maintains misfolded and hydrophobic patches-containing proteins in a soluble state and participates to their proper delivery to the endoplasmic reticulum or alternatively can promote their sorting to the proteasome where they undergo degradation (PubMed:20676083, PubMed:21636303, PubMed:21743475, PubMed:28104892). The BAG6/BAT3 complex is involved in the post-translational delivery of tail-anchored/type II transmembrane proteins to the endoplasmic reticulum membrane. Recruited to ribosomes, it interacts with the transmembrane region of newly synthesized tail-anchored proteins and together with SGTA and ASNA1 mediates their delivery to the endoplasmic reticulum (PubMed:20676083, PubMed:28104892, PubMed:25535373). Client proteins that cannot be properly delivered to the endoplasmic reticulum are ubiquitinated and sorted to the proteasome (PubMed:28104892). Similarly, the BAG6/BAT3 complex also functions as a sorting platform for proteins of the secretory pathway that are mislocalized to the cytosol either delivering them to the proteasome for degradation or to the endoplasmic reticulum (PubMed:21743475). The BAG6/BAT3 complex also plays a role in the endoplasmic reticulum-associated degradation (ERAD), a quality control mechanism that eliminates unwanted proteins of the endoplasmic reticulum through their retrotranslocation to the cytosol and their targeting to the proteasome. It maintains these retrotranslocated proteins in an unfolded yet soluble state condition in the cytosol to ensure their proper delivery to the proteasome (PubMed:21636303).[UniProtKB/Swiss-Prot Function]

**Locus ID:**

8266

**MW:**

66.6