

Product datasheet for **SC323259**

USP8 (NM_001128611) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP8 (NM_001128611) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP8
Synonyms:	HumORF8; UBPY
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001128611, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGCTGTGGCTTCAGTTCCCTAAAGAACTCTACCTCAGTTCTTCACTAAAAGACCTT
AATAAGAAGACAGAAGTTAAACCAGAGAAAATAAGCACTAAGAGTTATGTGCACAGTGCC
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CAGAAAAAGTCAACAGGAGATGTGCCCCATACATCTGTGACAGGGGATTCAAGTTTCAGGC
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 GAGGATACAGACGATACCGAAAGAAATAAAGCTCAACGAGAACCTTTGACAAGAGCACGA
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 TTTAAGTTTGATGATCATGAAGTTTCTGATATCTCCGTTTCTTCTGTGAAATCTTCAGCA
 GCTTATATCCTCTTTTATACTTCATTGGGACCACGAGTAACCTGATGTAGCCACA

Restriction Sites:

Please inquire

ACCN:

NM_001128611

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).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001128611.1](#), [NP_001122083.1](#)

RefSeq Size: 5866 bp

RefSeq ORF: 3357 bp

Locus ID: 9101

Cytogenetics: 15q21.2

Protein Families: Druggable Genome, Protease

Protein Pathways: Endocytosis

Gene Summary: This gene encodes a protein that belongs to the ubiquitin-specific processing protease family of proteins. The encoded protein is thought to regulate the morphology of the endosome by ubiquitination of proteins on this organelle and is involved in cargo sorting and membrane trafficking at the early endosome stage. This protein is required for the cell to enter the S phase of the cell cycle and also functions as a positive regulator in the Hedgehog signaling pathway in development. Pseudogenes of this gene are present on chromosomes 2 and 6. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]