

Product datasheet for **SC337776**

USP8 (NM_001283049) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP8 (NM_001283049) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP8
Synonyms:	HumORF8; PITA4; SPG59; UBPY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001283049, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGCTGTGGCTTCAGTTCCTAAAGAACTCTACCTCAGTTCCTCACTAAAAGACCTTAATAAGAAGA
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GACCACGAGTAAGTATGATGACCCATAA
    
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Restriction Sites: Sgfl-Mlul

ACCN:	NM_001283049
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:	<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:	<u>NM_001283049.1</u> , <u>NP_001269978.1</u>
RefSeq Size:	5250 bp
RefSeq ORF:	3039 bp
Locus ID:	9101
UniProt ID:	<u>P40818</u>
Cytogenetics:	15q21.2
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Endocytosis
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks three in-frame exons in the coding region compared to variant 1. The encoded isoform (b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>