

Product datasheet for **SC334131**

SENP7 (NM_001282804) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | SENP7 (NM_001282804) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SENP7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001282804 |
| Insert Size: | 510 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: | <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_001282804.1 |
| RefSeq Size: | 827 bp |
| RefSeq ORF: | 510 bp |
| Locus ID: | 57337 |



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UniProt ID: [Q9BQF6](#)

Cytogenetics: 3q12.3

Protein Families: Druggable Genome, Protease

MW: 19.3 kDa

Gene Summary: The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for many cellular processes. SUMO-specific proteases, such as SENP7, process SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also display isopeptidase activity for deconjugation of SUMO-conjugated substrates (Lima and Reverter, 2008 [PubMed 18799455]).[supplied by OMIM, Jun 2009]
Transcript Variant: This variant (6) differs in its 5' UTR, initiates translation at a downstream start codon, lacks several exons, and its 3'-terminal exon extends past a splice site that is used in variant 1. The encoded isoform (6) is shorter and has a distinct C-terminus, compared to isoform 1.