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Product datasheet for SC310256

SENP3 (NM_015670) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SENP3 (NM_015670) Human Untagged Clone
Tag:	Tag Free
Symbol:	SENP3
Synonyms:	SMT3IP1; SSP3; Ulp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC310256 representing NM_015670.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAGAGACTATACAAGGGACCGGGTCCTGGGGGCCTGAGCCTCCTGGACCCGGCATACCCCCAGCT
TACTCAAGTCCCAGGCGGGAGCGTCTTCGTTGGCCCCCACCTCCCAAACCCCGACTCAAGTCAGGTGGA
GGGTTTGGGCCAGATCCTGGGTCAGGGACCACAGTGCCAGCCAGACGCCTCCCTGTCCCCCGACCCTCT
TTTGATGCCTCAGCAAGTGAAGAGGAGGAAGAAGAGGAGGAGGAGGAGGATGAAGATGAAGAGGAGGAA
GTGGCAGCTTGGAGGCTGCCCCCAAGATGGAGTCAGCTGGGAACCTCCCAGCGGCCCCGCCCTTCCCGC
CCCACTCATCGAAAAACCTGCTCACAGCGCCGCCGCCGAGCCATGAGAGCCTTCCGGATGCTGCTCTAC
TCAAAAAGCACCTCGCTGACATTCCACTGGAAGCTTTGGGGGCGCCACCGGGGCCGGCGGCGGGGCCTC
GCACACCCCAAGAACCATCTTTCACCCCAGCAAGGGGGTGCGACGCCACAGGTGCCATCCCCCTGTTGT
CGTTTTGACTCCCCCCGGGGGCCACCTCCACCCCGGCTGGGTCTGCTAGGTGCTCTCATGGCTGAGGAT
GGGGTGAGAGGGTCTCCACCAGTGCCCTCTGGGCCCCCCATGGAGGAAGATGGACTCAGGTGGACTCCA
AAGTCTCCTCTGGACCCTGACTCGGGCCTCCTTTCATGTACTCTGCCCAACGGTTTTGGGGGACAATCT
GGGCCAGAAGGGGAGCGCAGCTTGGCACCCCCTGATGCCAGCATCCTCATCAGCAATGTGTGCAGCATC
GGGGACCATGTGGCCCAGGAGCTTTTTCAGGGCTCAGATTTGGGCATGGCAGAAGAGGCAGAGAGGCCT
GGGGAGAAAGCCGGCCAGCACAGCCCCCTGCGAGAGGAGCATGTGACCTGCGTACAGAGCATCTTGGAC
GAATTCCTTCAAACGTATGGCAGCCTCATACCCCTCAGCACTGATGAGGTAGTAGAGAAGCTGGAGGAC
ATTTTCCAGCAGGAGTTTTCCACCCCTTCCAGGAAGGGCCTGGTGTTGCAGCTGATCCAGTCTTACCAG
CGGATGCCAGGCAATGCCATGGTGAGGGGCTTCCGAGTGGCTTATAAGCGGCACGTGCTGACCATGGAT
GACTTGGGGACCTTGTATGGACAGAACTGGCTCAATGACCAGGTGATGAACATGTATGGAGACCTGGTC
ATGGACACAGTCCCTGAAAAGGTGCATTTCTTCAATAGTTTCTTCTATGATAAACTCCGTACCAAGGGT
TATGATGGGGTGAAAAGGTGGACCAAAAACGTGGACATCTTCAATAAGGAGCTACTGCTAATCCCCATC
CACCTGGAGGTGCATTGGTCCCTCATCTCTGTTGATGTGAGGCGACGCACCATCACCTATTTTGACTCG
CAGCGTACCCTAAACCGCCGCTGCCCTAAGCATATTGCCAAGTATCTACAGGCAGAGGCGGTAAAGAAA
GACCGACTGGATTTCCACCAGGGCTGGAAAGGTTACTTCAAAATGAATGTGGCCAGGCAGAATAATGAC
AGTGACTGTGGTGCTTTTGTGTTGCAGTACTGCAAGCATCTGGCCCTGTCTCAGCCATTCAGCTTCACC
CAGCAGGACATGCCCAAACTTCGTCGGCAGATCTACAAGGAGCTGTGTCACTGCAAACTCACTGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_015670

Insert Size: 1725 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).

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_015670.5
RefSeq Size:	2509 bp
RefSeq ORF:	1725 bp
Locus ID:	26168
UniProt ID:	Q9H4L4
Cytogenetics:	17p13.1
Domains:	Peptidase_C48
Protein Families:	Druggable Genome, Protease
MW:	65 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 numerous biologic processes. SUMO-specific proteases, such as SENP3, are responsible for the initial processing of SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also have isopeptidase activity for the removal of SUMO from high molecular mass SUMO conjugates (Di Bacco et al., 2006 [PubMed 16738315]).[supplied by OMIM, Jun 2009]