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Product datasheet for SC300420

SUMO4 (NM_001002255) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUMO4 (NM_001002255) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUMO4
Synonyms:	dJ281H8.4; IDDM5; SMT3H4; SUMO-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001002255, the custom clone sequence may differ by one or more nucleotides

ATGGCCAACGAAAAGCCCACAGAAGAAGTCAAGACTGAGAACAACAATCATATTAATTTGAAGGTGGCGG
GACAGGATGGTTCTGTGGTGCAGTTTAAGATTAAGAGGCAGACACCACTTAGTAAACTAATGAAAGCCTA
TTGTGAACCACGGGGATTGTCAGTGAAGCAGATCAGATTCCGATTTGGTGGGCAACCAATCAGTGGAACA
GACAAACCTGCACAGTTGGAAATGGAAGATGAAGATACAATTGATGTGTTTCAACAGCCTACGGGAGGTG
TCTACTGA

Restriction Sites:	Please inquire
ACCN:	NM_001002255

View online »

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_001002255.1, NP_001002255.1
RefSeq Size:	702 bp
RefSeq ORF:	288 bp
Locus ID:	387082
UniProt ID:	Q6EEV6
Cytogenetics:	6q25.1
Gene Summary:	This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin-related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B-dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]