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Product datasheet for SC337849

USP25 (NM_001283042) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP25 (NM_001283042) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP25
Synonyms:	USP21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001283042, the custom clone sequence may differ by one or more nucleotides

ATGACCGTGGAGCAGAACGTGCTGCAGCAGAGCGCGGCGCAGAAGCACCAGCAGACGTTTTTGAATCAAC
TGAGAGAAATTACGGGGATTAATGACACCCAGATACTACAGCAAGCCTTGAAGGATAGTAATGGAAACTT
GGAATTAGCAGTGGCTTTCCTTACTGCGAAGAATGCTAAGACCCCTCAGCAGGAGGAGACAACTTACTAC
CAAACAGCACTTCCTGGCAATGATAGATACATCAGTGTGGGAAGCCAAGCAGATACAAATGTGATTGATC
TCACTGGAGATGATAAAGATGATCTTCAGAGAGCAATTGCCTTGAGTTTGGCCGAATCAAACAGGGCATT
CAGGGAGACTGGAATAACTGATGAGGAACAAGCCATTAGCAGAGTTCTTGAAGCCAGCATAGCAGAGAAT
AAAGCATGTTTGAAGAGGACACCTACAGAAGTTTGGAGGGATTCTCGAAACCCTTATGATAGAAAAAGAC
AGGACAAAGCTCCCGTTGGGCTAAAGAATGTTGGCAATACTTGTTGGTTTAGTGCTGTTATTCAGTCATT
ATTTAATCTTTTGGAATTTAGAAGATTAGTTCTGAATTACAAGCCTCCATCAAATGCTCAAGATTTACCC
CGAAACCAAAAGGAACATCGGAATTTGCCTTTTATGCGTGAGCTGAGGTATCTATTTGCACTTCTTGTTG
GTACCAAAAGGAAGTATGTTGATCCATCAAGAGCAGTTGAAATTCTTAAGGATGCTTTCAAATCAAATGA
CTCACAGCAGCAAGATGTGAGTGAGTTTACACACAAATTATTAGATTGGTTAGAAGATGCCTTCCAAATG
AAAGCTGAAGAGGAGACGGATGAAGAGAAGCCAAAGAACCCCATGGTAGAGTTGTTCTATGGCAGATTCC
TGGCTGTGGGAGTACTTGAAGGTAAAAAATTTGAAAACACTGAAATGTTTGGTCAGTACCCACTTCAGGT
CAATGGGTTCAAAGATCTGCATGAGTGCCTAGAAGCTGCAATGATTGAAGGAGAAATTGAGTCTTTACAT
TCAGAGAATTCAGGAAAATCAGGCCAAGAGCATTGGTTTACTGAATTACCACCTGTGTTAACATTTGAAT
TGTCAAGATTTGAATTTAATCAGGCATTGGGAAGACCAGAAAAAATTCACAACAAATTAGAATTTCCCCA
AGTTTTATATTTGGACAGATACATGCACAGAAACAGAGAAATAACAAGAATTAAGAGGGAAGAGATCAAG
AGACTGAAAGATTACCTCACGGTATTACAACAAAGGCTAGAAAGATATTTAAGCTATGGTTCCGGTCCCA
AACGATTCCCCTTGGTAGATGTTCTTCAGTATGCATTGGAATTTGCCTCAAGTAAACCTGTTTGCACTTC
TCCTGTTGACGATATTGACGCTAGTTCCCCACCTAGTGGTTCCATACCATCACAGACATTACCAAGCACA
ACAGAACAACAGGGAGCCCTATCTTCAGAACTGCCAAGCACATCACCTTCATCAGTTGCTGCCATTTCAT
CGAGATCAGTAATACACAAACCATTTACTCAGTCCCGGATACCTCCAGATTTGCCCATGCATCCGGCACC

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AAGGCACATAACGGAGGAAGAACTTTCTGTGCTGGAAAGTTGTTTACATCGCTGGAGGACAGAAATAGAA
AATGACACCAGAGATTTGCAGGAAAGCATATCCAGAATCCATCGAACAATTGAATTAATGTACTCTGACA
AATCTATGATACAAGTTCCTTATCGATTACATGCCGTTTTAGTTCACGAAGGCCAAGCTAATGCTGGGCA
CTACTGGGCATATATTTTTGATCATCGTGAAAGCAGATGGATGAAGTACAATGATATTGCTGTGACAAAA
TCATCATGGGAAGAGCTAGTGAGGGACTCTTTTGGTGGTTATAGAAATGCCAGTGCATACTGTTTAATGT
ACATAAATGATAAGGCACAGTTCCTAATACAAGAGGAGTTTAATAAAGAAACTGGGCAGCCCCTTGTTGG
TATAGAAACATTACCACCGGATTTGAGAGATTTTGTTGAGGAAGACAACCAACGATTTGAAAAAGAACTA
GAAGAATGGGATGCACAACTTGCCCAGAAAGCTTTGCAGGAAAAGCTTTTAGCGTCTCAGAAATTGAGAG
AGTCAGAGACTTCTGTGACAACAGCACAAGCAGCAGGAGACCCAGAATATCTAGAGCAGCCATCAAGAAG
TGATTTCTCAAAGCACTTGAAAGAAGAAACTATTCAAATAATTACCAAGGCATCACATGAGCATGAAGAT
AAAAGTCCTGAAACAGTTTTGCAGTCGATCATGATGACACCGAACATGCAAGGTATTATCATGGCGATAG
GTAAATCCAGGAGTGTATATGACAGGTGTGGCCCTGAAGCAGGGTTCTTTAAGGCAATTAAGTTGGAATA
TGCAAGGTTGGTTAAGTTGGCCCAAGAAGACACCCCACCAGAAACCGATTATCGTTTACATCATGTAGTG
GTCTACTTTATCCAGAACCAGGCACCAAAGAAAATTATTGAGAAAACATTACTAGAACAATTTGGAGATA
GAAATTTGAGTTTTGATGAAAGGTGTCACAACATAATGAAAGTTGCTCAAGCCAAACTGGAAATGATAAA
ACCTGAAGAAGTAAACTTGGAGGAATATGAGGAGTGGCATCAGGATTATAGGAAATTCAGGGAAACAACT
ATGTATCTCATAATTGGGCTAGAAAATTTTCAAAGAGAAAGTTATATAGATTCCTTGCTGTTCCTCATCT
GTGCTTATCAGAATAACAAAGAACTCTTGTCTAAAGGCTTATACAGAGGACATGATGAAGAATTGATATC
ACATTATAGAAGAGAATGTTTGCTAAAATTAAATGAGCAAGCCGCAGAACTCTTCGAATCTGGAGAGGAT
CGAGAAGTAAACAATGGTTTGATTATCATGAATGAGTTTATTGTCCCATTTTTGCCATTATTACTGGTGG
ATGAAATGGAAGAAAAGGATATACTAGCTGTAGAAGATATGAGAAATCGATGGTGTTCCTACCTTGGTCA
AGAAATGGAACCACACCTCCAAGAAAAGCTGACAGATTTTTTGCCAAAACTGCTTGATTGTTCTATGGAG
ATTAAAAGTTTCCATGAGCCACCGAAGTTACCTTCATATTCCACGCATGAACTCTGTGAGCGATTTGCCC
GAATCATGTTGTCCCTCAGTCGAACTCCTGCTGATGGAAGATAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001283042
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:	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_001283042.1, NP_001269971.1
RefSeq Size:	5245 bp
RefSeq ORF:	3264 bp
Locus ID:	29761

UniProt ID:	Q9UHP3
Cytogenetics:	21q21.1
Protein Families:	Protease
Gene Summary:	Ubiquitin (MIM 191339) is a highly conserved 76-amino acid protein involved in regulation of intracellular protein breakdown, cell cycle regulation, and stress response. Ubiquitin is released from degraded proteins by disassembly of the polyubiquitin chains, which is mediated by ubiquitin-specific proteases (USPs), such as USP25 (Valero et al., 1999 [PubMed 10644437]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (USP25b) that 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.