

Product datasheet for **SC214248**

USP20 (NM_001110303) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	USP20 (NM_001110303) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	USP20
Synonyms:	hVDU2; LSFR3A; VDU2
ACCN:	NM_001110303
Insert Size:	1408 bp



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Insert Sequence:	<p>>SC214248 3'UTR clone of NM_001110303 The sequence shown below is from the reference sequence of NM_001110303. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAGATCGAAGCCGAGACGCGGGCGTGATCTGCTGGGCTAGTCTCCCATGTGCCACCCCGCGGA AGGCGTGTGGTCCAGAGAGAGAGGCGGGCTGCTGCAGAACCCCGCCGTGTAAGAGGAGAAAAGT TGGTTTGGTTGTCAGTAACGCTGCAACTAGAAAATATATGCACTTCAGGCTTGTGAAACGACCAAGAC TCTGTGACGTTAATTTGGGTCTTTGTCCTGGCAGTGCCTCTGCCAGTCACTGTATCGTTGTGCCCC ACAACTGTCTTGTAGCTCGGCCAGCTTTGTCCCTGGAGCCCGATGCTACCCTGTGAGACAGAG GCTGCGGCTGGCCAGAGTCAGGGAGTAGCTGCTGCTTACGGCGTCTCCACTGTGCGATTGGCCCGG AGCCCCGAAGACTCGGAGGGAGCTGCTCAGGGCCGGTGAGCGCAGCCAGAAGCCCTGGCCAGTGAGGAG CTCACAGTCTCCTGTTGGTCCGCGCCACCTCTGCATCTCCTGGGCGTCACCAGGAAGGCTCTGAA GTCCCGGCTGCTCTCAGCACTTCTCCTCAGACTGAAGACTCTGGACTATTGCTGATTGGAACACCA GGAGGAGTTGGATTTCTGCCAGTGGGGATGTTTCTGGAGGCAGCTGGTCCCCCACACCGCTCTGTC TGAGCCTGCCCTGGATTGGCTGTAATTTGCCTCGAAGTTCAGCAGTTCATCTTCATGGGAAATTTGC TGAGCCCCCACCAGGGAACCGGATGATGAAACAGGGATACCTCACAGCTTGGCCATTTGAGGCAAAGGC AGCTTCCCAGCTGATGCTAAAGAAGACAGACTTCCCTTCTCCAGCAGCAGCAGTGCAGAGCCAC CTGGAGGGATGTGGGGCTGTGCAGGGTGCAGCGCTCAGTGGATCCTGGGAAGCAGCCTCTGGATGCT GAGTGGAGGGAGCCACTGAGCACAGCAAGGCACCAAGCCCTGGAGAAACCGCCAGGGCGAGGTGCGA CCATCATCAGGATCAAAGCAGACGGGGCTGGTGGGAAAGGGCTCTGGGACCAGACCCCCACACTA CTGCGTCTTTGTTCTATCAGTCTTTGTAGAAGCAGGTGGTGGTGGAAATTCAGCAGGTGGGTCCCGC AGAGGCCCTGAGGCCTCACTTTTCGGATCTTGTGCCAGATCCTGCTCCCTCCCTGCTGAGCCTGGGG TTCCCTGGCATTGGCCCGAGCTTCTGAAAGCCGGCGTGCAGCCAGAGGCCGACGCTGCACTGTGCG CGACGCAGAGAGGCTTCTGTGAGGCTGGGATCGGGCCCATGTCTGTGCTGTCTAGTTTGTGTTCAAA ATGTCAGAATAAACACAGAATAAATGTT ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG</pre>
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001110303.4</u>

Summary:

This gene encodes a ubiquitin specific processing protease that was first identified as a substrate of the VHL (von Hippel-Lindau disease) protein E3 ubiquitin ligase complex. In addition to being ubiquitinated by the VHL-E3 ligase complex, this enzyme deubiquitinates hypoxia-inducible factor (HIF)-1 alpha and thereby causes increased expression of HIF-1 alpha targeted genes which play a role in angiogenesis, glucose metabolism, cell proliferation and metastasis. The enzyme encoded by this gene also regulates G-protein coupled receptor signaling by mediating the deubiquitination of beta-2 adrenergic receptor (ADRB2). This enzyme is a ubiquitously expressed thiolester hydrolase. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jan 2013]

Locus ID:

10868

MW:

51