

Product datasheet for **RG200835**

USP10 (NM_005153) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP10 (NM_005153) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP10
Synonyms:	UBPO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200835 representing NM_005153
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCTCCACAGCCCGCAGTATATTTTTGGAGATTTAGCCCTGATGAATTCAATCAATCTTTGTGA
 CTCTCGATCTTCAGTTGAGCTTCTCCATACAGTGGAACAGTTCTGTGTGGCACACAGGCTGTGGATAA
 ACTACCTGATGGACAAGATATCAGAGAATTGAGTTTGGTGTGCGATGAAGTCATTGAACCCAGTGACACT
 TTGCCGAGAACCCCGAGCTACAGTATTTCAAGCACACTGAACCCCTCAGGCCCTGAATTTATTCTCGGTT
 GTACAGCTTCCAAAATAACCCCTGATGGTATCACTAAAGAAGCAAGCTATGGCTCCATCGACTGCCAGTA
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 AAGATGGTGGCGATGATAGTATCTCCACAGAAGCCCTGGTCAATGGCCATGCCAATTCAGCAGTCCCGAA
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 AATCTGTCCAAGTTATACCACAAAACCAACAAGAGTTGAGATAAGTGAAGAGTACTCTGGAAAA
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 ATCAAAAATATTGAATATCCTGTGGACTTGGAAATTAGTAAAGAAGTCTTTCTCCAGGGGTTAAAAATA
 AGAATTTAAATGCCACCGAACCTATCGGCTCTTTCAGTGGTCTACCATCACGGCAACAGTGCACGGG
 CGGCCATTACACTACAGACGCTTCCAGATCGGTCTGAATGGCTGGCTGCGCATCGATGACCAGACAGTC
 AAGGTGATCAACCAGTACCAGGTGGTGAACCAACTGCTGAACGCACAGCCTACCTCCTGTATTACCGCC
 GAGTGGACCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200835 representing NM_005153
 Red=Cloning site Green=Tags(s)

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MALHSPQYIFGDFSPDEFNQFFVTPRSSVELPPYSGTVLCGTQAVDKLPDGQEYQRIEFGVDEVIEPSDT
LPRTPSYSISSTLNPQAPEFILGCTASKITPDGITKEASYGSIDCQYPGSALALDGSSNVEAEVLENDGV
SGGLGQREKRRKKRPPGYYSYLDGGDDSI STEALVNGHANSVPNSVSAEDA EFMGDMPPPLTPRTCN
SPQNSTDSVSDIVPDSFPFGALGSDTRTAGQPEGPGADFGQSCFPAEAGRDTLSRTAGAQPCVGTDTTE
NLGVANGQILESSGEGTATNGVELHTTESIDLDPKPEASPPADGTGSASGTL PVSQPKSWASLFHDSK
PSSSSPVAYVETKYSPPAISPLVSEKQVEVKEGLVPVSEDPVAIKIAELLENTLIHKPVSLQPRGLINK
GNWCYINATLQALVACPPMYHLMKFIPLYSKVQRPCTSTPMIDSFVRLMNEFTNMPVPPKPRQALGDKIV
RDIRPGA AFEPTYIYRLLTVNKSSLSEKGRQEDAE EYLGFILNGLHEMLNLKLLSPSNEKLTISNGPK
NHSVNEEEQEEQEGEGSEDEWEQVGRNKTSVTRQADFVQTPITGIFGGHIRSVVYQQSSKESATLQPFFT
LQLDIQSDKIRTVQDALESLVARESVQGYTTTKQVEV EISRRVTLEKLPVVLVHLKRFVYEKTGGCQKL
IKNIEYPVDLEISKELLSPGVKNKFKCHR TYRLFVVYHHGNSATGGHYTTDFVQIGLNGWLRIDDQTV
KVINQYQVVKPTAERTAYLLYRRVDLL
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_005153.1](#), [NP_005144.1](#)

RefSeq Size: 3399 bp

RefSeq ORF: 2397 bp

Locus ID: 9100

UniProt ID: [Q14694](#)

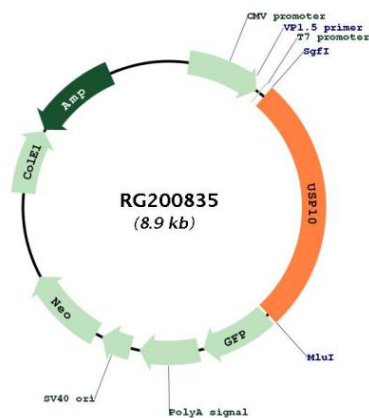
Cytogenetics: 16q24.1

Domains: UCH

Protein Families: Druggable Genome, Protease

Gene Summary: Ubiquitin is a highly conserved protein that is covalently linked to other proteins to regulate their function and degradation. This gene encodes a member of the ubiquitin-specific protease family of cysteine proteases. The enzyme specifically cleaves ubiquitin from ubiquitin-conjugated protein substrates. The protein is found in the nucleus and cytoplasm. It functions as a co-factor of the DNA-bound androgen receptor complex, and is inhibited by a protein in the Ras-GTPase pathway. The human genome contains several pseudogenes similar to this gene. Several transcript variants, some protein-coding and others not protein-coding, have been found for this gene. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RG200835