

Product datasheet for **RG239787**

USP28 (NM_001301029) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP28 (NM_001301029) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239787 representing NM_001301029.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
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CCCAATCCAATGACTGGAGGAGAGTTGATGGTTGGCCAGTTGGGCTGAAAAATGTTGGCAATACATGT
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AGACTTCTAGATCCTTCTGCAGAAATCATCGTCTTGAAGAGCCTCCAATTCGACCCAATTCTCCC
TATGACCTATGTAGCCGATTTGCAGCTGTGATGGAGTCAATTCAGGGAGTTTCAACTGTGACAGTGAAA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239787
 Blue=ORF Red=Cloning site Green=Tag(s)

MHEATSAETKRKRKRCEVWGENPNPNDWRRVDGWPVGLKNVNTCWFSAVIQSLFQLPEFRRLVLSYS
 LPQNVLENCRSHTTEKRNIMFMQELQYLFALMMGSRKFDVPSAALDLLKGAFRSSEEQQQDVSEFTHKL
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 AMVEGDVELLPDHSVKYQERWFTKLPPVLTFFELSRFEFNQSLGQPEKIHNKLEFPQIIYMDRYMYRS
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 LPLSSVHCSVSDQTSKESTSTESSSQDVESTFSSPEDSLPKSKPLTSSRSSMEMPSQPAPRTVTDEEIN
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 AQAIAANTARAYEKSGVEAALSEAFHEEYSRLYQLAKETPTSHSDPRLQHVLVYFFQNEAPKRVERTLL
 EQFADKNLSYDERSISIMKVAQAKLKEIGPDDMNMEYKWHEDYSLFRKVSVYLLTGLELYQKGYQE
 ALSYL VYAYQNAALLMKGPRRGVKESVIALYRRKCLELNAKAASLFETNDDHSVTEGINVMNELIIP
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 MGYGFYHFGTYPSTYENPFLHAINNGYTNRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001301029

ORF Size: 2760 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001301029.2](#)

RefSeq Size: 4371 bp

RefSeq ORF: 2763 bp

Locus ID: 57646

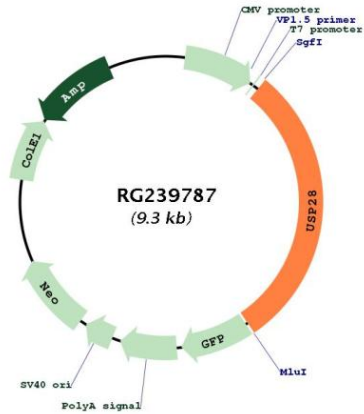
Cytogenetics: 11q23.2

Protein Families: Protease

MW: 106.3 kDa

Gene Summary: The protein encoded by this gene is a deubiquitinase involved in the DNA damage pathway and DNA damage-induced apoptosis. Overexpression of this gene is seen in several cancers. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RG239787