

Product datasheet for **RG213869**

USP54 (NM_152586) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP54 (NM_152586) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP54
Synonyms:	bA137L10.3; bA137L10.4; C10orf29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213869 representing NM_152586
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTGAAGAGAAATATTTTTTCAGGGGGTCTGGTGTGTACAAGGGATGTTTGCACCTCGAAGCT
 CAACCTCCATAGCCCCAGCAAAGGCCTCAGCAATGAGCCAGGGCAAACAGCTGCTTCCTCAACAGTGC
 CCTGCAGGTTTTGTGGCACTTGGATATCTTCCGACGTAGCTTTAGGCAGCTTACAACCTACAAGTGCATG
 GGAGATTCCTGCATCTTTTGCCTCTCAAGGGAATCTTTAACCAGTTTCAGTGTAGTAGTAAAAAGTGC
 TTCCATCTGACACTCTCCGACGTCTGGCAAAGACTTCCAGGATGAACAACGTTTCCAGCTGGGAAT
 TATGGATGATGCTGCAGAGTCTTTGAAAACCTCTGATGAGAATTCACTTCCACATTGCTGATGAAACC
 AAAGAGGATATGTACTGCCAACACTGCATTTCCCATCAGAAATTTGCAATGACATTGTTTGAGCAGT
 GTGTATGACTAGCTGTGGTCCACTTCTGATCCGCTGCCTTTCATCCAGATGGTACATTATATCTCCAC
 CACTTCCCTTTGCAATCAGGCTATTTGTATGCTGGAAAGACGAGAGAAACCTTCCCAAGCATGTTTGGT
 GAGCTGCTGCAGAATGCCAGCACCATGGGGGATCTGCGGAACTGTCCAAGCAACTGTGGAGAGAGGATCA
 GGATTCGCGGTGTGTTGATGAATGCTCCACAGATTATCACGATTGGGCTGGTATGGGACTCAGACCACTC
 AGACTTAGCAGAAGATGTTATCCACAGCCTGGGAACCTGCCTTAAGCTGGGTGATCTGTTTTTCAGAGTG
 ACGGATGACCGGGCCAAGCAATCTGAAGTGTACTTAGTTGGAATGATCTGTTACTATGGCAAACATTATT
 CTACATCTTTTTTCAAACAAGATTCCGAAATGGATGTATTTTGTATGCTCATGTCAAGGAGATTGG
 GCCCAATGGAAGGATGTGGTGACCAATGCATCAAGGGGCATTATCAGCCCTGCTGCTGCTTTATGCA
 GATCCCCAGGGTACCCAGTTTCCACCCAGGACCTGCCCTCCCAAGCTGAGTTCAGTCATACAGCAGGA
 CATGCTACGACAGTGAAGATTACGGGAGGGACCTCCATCTCAAGTGACACTCGAACAGATTCTCAAC
 GGAGAGCTATCCCTACAACATTCCACCATGAGTCTGGTCTGAGTCACTTCTCTTCTGATTCTCAGGGG
 ACAGTCATCTATAATGTGAAAAATGATTCATGTCTCAGAGCAGTCGGGACACAGGACACCTGACTGATA
 GTGAATGTAATCAGAAACACACATCCAAGAAAGGGTCACTGATAGAGCGCAAGAGGAGCTCTGGTCGGGT
 TAGGAGGAAAGCGATGAGCCCCAGGCCTCGGGATACCACAGTGAAGGAGAAACACTGAAAGAGAAGCAG
 GCTCCTAGAAATGCCTCCAAACCATCCAGCAGCACCAACAGGCTGAGAGATTTTAAAGAGACAGTCAGCA
 ATATGATCCATAACAGACCATCCCTGGCTTCTCAGACCAATGTAGGCTCTCACTGCAGGGGCAGAGGAGG
 AGACCAGCCTGACAAAAACCTCCTAGGACCCTGCCTTTACACTCTCGTACTGGGAAATAGAGAGTACC
 AGCAGTGAGTCAAATCCAGTTCTTCCAGCAAGTATCGTCCACATGGAGACCCAAACGAGAATCTCTGA
 ATATTGACAGTATCTTTAGTAAGGACAAAAGGAAGCACTGTGGCTATACCCAGCTTAGCCCTTTTCTGA
 GGATTCAGCTAAAGAATTTATACCAGATGAACCAAGCAAGCCACCTTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213869 representing NM_152586
 Red=Cloning site Green=Tags(s)

MSWKRNYFSGGRGSVQGMFAPRSSTSIAPSKGLSNEPGQNSCFLNSALQVLWHLDFRRSFRQLTTHKCM
 GDSCIFCALKGIFNQFQCSSEKVLPSDTLRSALAKTFQDEQRFQLGIMDDAAECFENLLMRIHFHIADET
 KEDICTAQHCISHQKFAMTLFEQCVCTSCGATSDPLPFIQMVHYISTTSLCNQAICMLERREKPSPSMFG
 ELLQNASTMGDLRNCPSNCGERIRIRRVLMNAPQIITIGLVWSDHSDLAEDVIHSLGTCLKLGDLFFRV
 TDDRKQSELYLVGMICYGKHYSFFFFQTKIRKWMYFDDAHVKEIGPKWKDVVTKCIKGHYQLLLLLYA
 DPQGPVSTQDLPPQAEFQSYSRTCYDSEDSGREPSISSDTRTDSSTESYPYKSHHESVVSFSSDSQG
 TVIYNVENDSMSQSSRDTHLTDSECNQKHTSKKGSLEIRKRSSGRVRRKGDEPQASGYHSEGETLKEKQ
 APRNASKPSSSTNRLRDFKETVSNMIHNRPSLASQTNVGSCHRGRGGDQPKKPPRPLPLHSRDWEIEST
 SSESKSSSSSKYRPTWRPKRESLNIDSIKDKRKHCGYQLSPFSEDSAKEFIPDEPSKPPS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_152586

ORF Size: 1870 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).

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_152586.3](#), [NP_689799.3](#)

RefSeq Size: 6202 bp

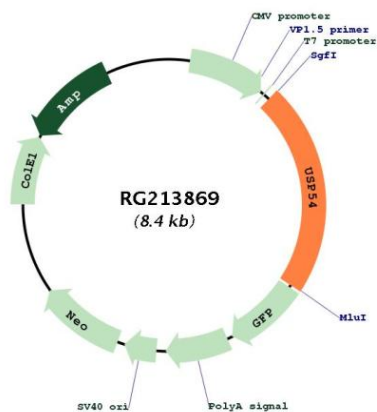
RefSeq ORF: 5055 bp

Locus ID: 159195

UniProt ID: [Q70EL1](#)

Cytogenetics: 10q22.2
Protein Families: Protease
Gene Summary: Has no peptidase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213869