

Product datasheet for **MG210971**

Usp5 (NM_013700) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Usp5 (NM_013700) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Usp5 |
| Synonyms: | AA407472; ISOT; ISOT-1; Ucht |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG210971 representing NM_013700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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ACGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210971 representing NM_013700
 Red=Cloning site Green=Tags(s)

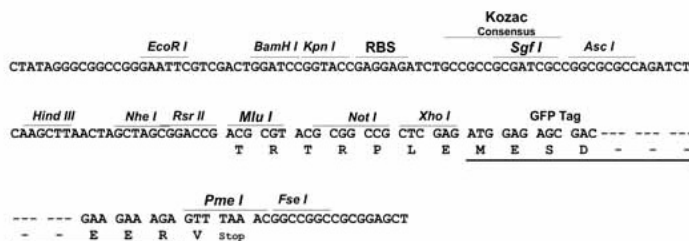
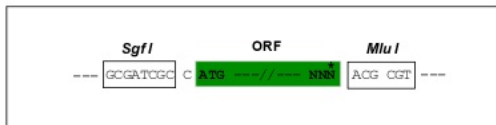
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 LGFYGNEDEDSFCSPHFSSPTSPMLDESVIQLVEMGFPM DACRKA VYYTGNSGAEAMNWVM SHMDDPD
 FANPLILPGSSGPGSTSAADPPPEDCVTTIVSMGF SRDQALKALRATNNSLERAVDWIFSHIDDLDAEA
 AMDISEGRSAAESISESVPVGPVKVRDGPQYQLFAFISHMGTSTMCGHYVCHIKKEGRWVIYNDQKVCAS
 EKPPKDLGYIYFYQRVVS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_013700

ORF Size: 2574 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_013700.2](#), [NP_038728.1](#)

RefSeq Size: 3176 bp

RefSeq ORF: 2577 bp

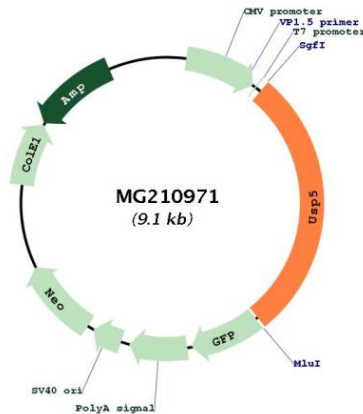
Locus ID: 22225

UniProt ID: [P56399](#)

Cytogenetics: 6 59.17 cM

Gene Summary: Cleaves linear and branched multiubiquitin polymers with a marked preference for branched polymers. Involved in unanchored 'Lys-48'-linked polyubiquitin disassembly. Binds linear and 'Lys-63'-linked polyubiquitin with a lower affinity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210971