

Product datasheet for MR223400

Prtg (NM_175485) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prtg (NM_175485) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prtg
Synonyms:	A230098A12Rik; Igdcc5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223400 representing NM_175485 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCTCCCCTGCGCCCGGGGATGCTGCCCTGCTGCTGTTGCTGCTACTGCCCGCCTCGGCTCGG
TTCCAGGAGTGTGGAGCTTAGCGAACTGTTTTTCATGAAAGAACCACAGGATGCAACAGTCACAAGGAA
AGACCCAGTCGTTTTAGATTGCCAGGCACACGGAGAAGGCCCATTAAGGTCACATGGTTGAAAAATGGA
GCAAAATGTCCGAAAAA AACCGGATCCAGGTTCTATCTAACGGCTCTCTATACATCAGTGAGGTGGAAG
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TAGTCAGAAAGCTCATCTGACATTGTCAACTATCTCTGCGTTTGAAGTCCATCCAGTGTCTACTGAGGTC
CATGAAGGAGGAGTTGCTAGATTTTCATGCAAGATTTTCATCAACGCCGCTGCAAGTCAACATGGGAAT
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ATGCCGCTGGGGCCAGCCAGATGTCGGATCATGTGACACAGAACACGCTAGAAGATGTGCCCTAAGAC
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TGACCTGATCATCAATAGCTACGGTCTATAATTAACAAACACTAAGAAAAAGTGGCTTTTTTCCAA
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GTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR223400 representing NM_175485
 Red=Cloning site Green=Tags(s)

MAPPVVRPGMLPLLLLLLPLPLGSPGVWVSSEFFMKEPQDATVTRKDPVVLDCQAHGEGPIKVTWLKNG
 AKLSENKRIQVLSNGSLYISEVEGRRGEQSDGEFYQCLAVNKYGAILSQKAHLTLSTISAFEVHPVSTEV
 HEGGVARFSCKISSTPPAVITWEFNRTALPTTMDRVTLPSGVLQIYDVGPEADAGNYRCAATIAHKRKS
 MEASLTIVAANETRSFYMPTIIASPQNVATSLHQTVVLECMATGYPRPIISWSRLDHKSIDVFNTRVLGN
 GNLIISDVKLQHAGVYVCRATTPGTRNFTVAMATLTVLAPPSFVEWPESLTRPRAGTARFVCQAEGIPSP
 KMSWLKNGRRIHSNGRIKMYNSKLVINQIIPEDDAIYQCAENSQGSVLSRARLTVVMSDRPSAPYNVH
 AETMSSSAILLAWERPLYNLSDKVIASVHYMKAEGLNNEEQVVLGNDTTHYIIDDLEPDSNYTFYIVAY
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 VELPGTVHEYLLEGLKPDVYLVRIATAATRVGLGESSVWTSRTPKATSVKAPKSPHELHLEPLNCTTISV
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 STPGCVSVDRMVP PPPPPHLLYAKANTSSSIFLHWRRPAFTTAQVINYTIRCNPVGLQNASLVLYLQTS
 ETHMLVQGLEPNTKYEFVRLHVDQLSSPWSVVYHSTLPEAPTGPVGVKVTLIEDDTALVSWKPPDGP
 ETVVTRYTILYASRKAWIAGEWQVLHREGAITMALLENLVAGNVYIVKISASNEVGEGPFSNSVELAVLP
 KDASESNQRPKRLDSSNAKVYSGYYHL DQKSMGTI AVGVGIALTCILICVLILYRSKARKSSASKTAQS
 GTQPLSQASASVAAGSDMGKNLERATETAESLVPMPSSFIDAKGGTDLIINSYGP I IKNNTKKKWLFFQ
 DTKKIKVEQTQRRFTQAVCFYQPGTTVLISDESDPGSPGQTASFPRPFGATALDTEHSANSEGSHEGDS
 GRFSHESNDEIHLSSVISSTPPTS NPLAGGSDGDAAPKKHGDPAQPLPAEQTSAPQTSAGLRYAAEFGP
 V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9011_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

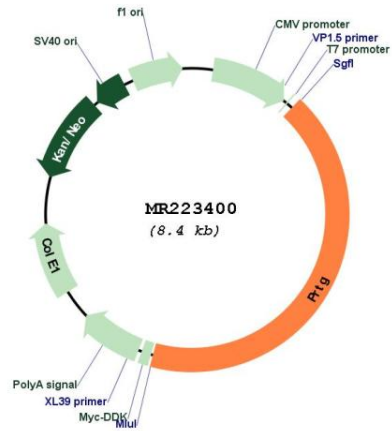


ACCN: NM_175485

ORF Size: 3573 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:	<ol style="list-style-type: none">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_175485.4 , NP_780694.3
RefSeq Size:	8764 bp
RefSeq ORF:	3576 bp
Locus ID:	235472
UniProt ID:	Q2EY15
Cytogenetics:	9 D
MW:	131 kDa
Gene Summary:	May play a role in anteroposterior axis elongation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223400