

## Product datasheet for **MR230622**

### Idua (NM\_172997) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Idua (NM_172997) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Idua
Synonyms:	6030426D08
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230622 representing NM\_172997  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGACCCCGCGTCCCTCCTCAGCTATGCTGACGTTTTTTGCTGCGTTCTTGCCGCGCCCTTGCGCG  
 TGCTGAGTACCGTACCTGGTGCCTGGACGACGCCCGCTGAGGCTCTGTTGCCCTTCTGGAG  
 GAGCACCGGCTTCTGGAAGTCACTGGGACGGACTTATGTACAACCTCACCCACTTGGATGCATTCTTG  
 GACCTTCTCATGGAGAACCAGCTTCTCCCTGGATTTGAGCTCATGGGAGTCTTCTGGGACTTACCGG  
 ACTTTGATGACAAGCAGCAGGTGTTGAATGGAAGGACCTGGTTTCTCTTGGCCAGGAGATACATTGG  
 TAGGTATGGGCTGACACACGTTTCAAGTGAACCTTTGAGACTTGAATGAACCAGACCACCATGACTTT  
 GACAACGTGTCCATGACCACACAAGGCTTCTGAATTACTATGATGCCTGCTCTGAGGGCTGCGCATTG  
 CCAGCCCCACTTTGAAGTTGGTGGTCTGGGATTCTTCCACCCCTGCCAAGGTACCAATGTGCTG  
 GAGCCTCTGGGTCAGTGTCCAATGGAACCAACTTCTTACTGGCGAGGTGGGCGTGCCTGATTAC  
 ATCTCCCTGCACAAGAAGGGTGCAGGTAGCTCCATCGCCATCCTGGAGCAGGAGATGGCAGTTTGGGAGC  
 AGGTCCAGCAGCTTCCCTGAGTTCAAGGATACCCCTATTTACAATGACGAGGCAGACCCTCTGGTGGG  
 CTGGTCCCTGCCACAACCTTGGAGAGCTGATGTGACTTATGCGGCCCTGGTGGTGAAGGTCATTGCACAG  
 CACCAGAACCTGCTGTTTCCAACAGCAGTTTCTCCATGCGCTATGTGCTCCTCAGCAATGACAATGCC  
 TCTGAGTACCACCCGTACCCTTTCTCCAGCGCACACTTACTGCTCGATTCCAGGTCAACAATACTCA  
 CCCACCCACGTGCACTGCTGCGAAAGCCAGTACTCACAGTATGGGGCTCATGGCCCTGTTGGATGGA  
 GAACAACCTGGGAGAGGTCTCAAAGGCTGGGCTGTGTTGGACAGCAATCATAACAGTGGGTGCTGCTGG  
 CCAGACCCATCACCTGAAGGCTCCGACGCGGCTGGAGTACCACAGTCCCTCATCTACACTAGTATGA  
 CACCCACGCACACCCCAACCACAGTATCCCTGTGACTTTCGCCTGCGTGGGGTACCTCCTGGCTGGAT  
 CTTGTCTACATAGTACTCTACTTAGACAATCAACTCAGCAGCCCTACAGTGCCTGGCAGCACATGGGCC  
 AGCCAGTCTTCCCTCTGCAGAGCAGTTCGACGTATGCGCATGGTGGAGGACCCCGTGGCTGAGGCACC  
 ACGCCCTTTCTGCTAGGGGCCGCTGACCCTACACCGGAAGCTTCCGGTGCATCACTCCTGCTGGT  
 CATGTATGCACACGCCCTTGAAGCCACTGGGACAGTCCAGCGGCTCCGTGCACTGCCCTGACACATG  
 GACAGTGAATTTGGTCTGGTCAAGTGAAGGCTGAGCGTGTGGGCTCCAAGTGCCTGTGGACATATGAGATCCAGTT  
 TTCCAGAAAGGTGAAGAGTATGCCCAATCAACAGGAGGCGCTACTTTAACCTCTTGTGTTCAAG  
 CCAGACACAGCTGTGGTCTCTGGCTCCTACCGAGTTCGAGCATTGGATTACTGGGCCGCGCCAGGCCCT  
 TCTCCGACCCTGTGACTTACCTGGATGTCCTGCCTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230622 representing NM\_172997  
 Red=Cloning site Green=Tags(s)

MRPPRPSSAMLTFFAFLAAPLALAESPYLVRVDAARPLRPLLPFWRSTGFWSPGQGLMYNFTHLDAFL  
 DLLMENQLLPGFELMGSPSYFTDFDDKQVFEWKDLVSLRLARRYIGRYGLTHVSKWNFETWNEPDHDF  
 DNVSMTTQGFNLNYDACSEGLRIASPTLKLGGPGDSFHPLPRSPMCWSLLGHANGNTNFFTGEVGRLDY  
 ISLHKKGAGSSIAILEQEMAVVEVQQLFPEFKDTPINDEADPLVGWSLPQPWRADVTYAAALVVKVIAQ  
 HQNLLFANSSSMRYVLLSNDNAFLSYHPYFQSQRLLARFQVNNTHPPHVQLLRKPVLTVMGLMALLDG  
 EQLWAEVSKAGAVLDSNHTVGLASTHHPEGSAAAWSTTVLIYTSDDTHAHPNHSIPVTLRLRGVPPGLD  
 LVYIVLYLDNQLSSPYSAWQHMGPVFPVSAEQFRMRMVEDPVAEAPRPFARGRLTLHRKLPVPSLLL  
 HVCTRPLKPPGQVSRRLRALPLTHGQLILVWSDERVSKCLWYIEIQFSQKGEEYAPINRRPSTFNLVFPV  
 PDTAVVSGSYRVRALDYWARPGPFSDPVTYLDVPAS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_172997.1</a> , <a href="#">NP_766585.1</a>
<b>RefSeq Size:</b>	4289 bp
<b>RefSeq ORF:</b>	1791 bp
<b>Locus ID:</b>	15932
<b>Cytogenetics:</b>	5 53.24 cM
<b>MW:</b>	67.4 kDa