

## Product datasheet for **MC221853**

### Hells (NM\_008234) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hells (NM_008234) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hells
Synonyms:	A1323785; E130115I21Rik; LSH; Lysh; PASG; YFK8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221853 representing NM\_008234  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGAACAAACGGAGCCTGCGGTGATTACTCCAGCCATGCTGGAGGAGGAGGAACAGCTCGAGGCTG  
 CGGGACTTGAGAAAGAGCGGAAGATGTTAGAAGAGGCTCAAAAAGTCTGGGACAGAGAGTCCACTGAAAT  
 TCGGTACCGCAGACTTCAGCATTGCTTAAAAAGCAATATCTACTCAAAATTTTTGTTGACTAAAATG  
 GAACAACAGCAATTGGAGGAACAGAAGAAGAAAGAGAAGTTGGAGAAAAAAAACGGTCATTAAGCTTA  
 CAGAGGGTAAAAGTTTAGTTGATGGGAATGGAGAGAAACAGTCATGAAAAAGAAAAGAGGAAGAGAAGA  
 TGAATCTTATAATATTTAGAGGTCATGTCAAAGAGGAAATTTGTCCGTAGCTAAAAACATAAGGAT  
 AATGAGGATGAAAGCTCTCCACTACGAGTCTTTGTGTAGAAGATATTCAGAAAAATAAGGATCAATA  
 GTATGATTAAGATAGATTGTCTCAAAGTGTAGGCAGAAATCTAAATCTTTTTGACCCAGTTCGGAA  
 ATGTAACGGACAGCCTGTACCCTTCAACAACCAAGCATTTCACAGGAGGAGTAATGAGGTGGTACCAA  
 GTAGAAGGCATGGAATGGCTTAGGATGCTTTGGGAAAATGGAATTAATGGCATTATAGCAGATGAAATGG  
 GTTTGGGAAAGACTGTTCAAGTGCATTGCTACAATTGCATTGATGATTCAGAGGGGAGTACCTGGACCTTT  
 TCTTGTGTTGGCCCTTTGTCTACACTTCTAACTGGATGGCTGAATTTAAAAGATTTACTCCAGAAAT  
 CCTACTCTGCTGTATCATGGAACCCGGGAGGACCGTCGGAATAGTAAAGAATATCCACAAAAGACAAG  
 GGACACTGCAGATTATCCTGTGGTGGTACATCATTGAGATCGCTATGCGAGACCAGAATGCTTTACA  
 GCATTGCTATTGGAATACTTAATAGTAGATGAAGGACACAGGATTAAGAATATGAAGTGCCGGCTAATC  
 AGGGAGTTAAAACGGTTCAATGCTGATAACAACTTCTTTGACTGGTACTCCCTGCAAAAACAATTTAT  
 CAGAATTTGGTCATTGCTAAACTTTTTGTTGCCAGATGATTTGATGACTTGAAAAGCTTTGAGCTTTG  
 GTTTGATCACTAGTCTTTCTGAAACTGCTGAAGATATTATAGCTAAAGAGAGAGAACAGAATGTTTTTA  
 CATATGCTGCACCAGATTTTAACGCCTTCTACTGAGAAGACTGAAGTCTGATGTTGCTCTTGAAGTCC  
 CCCCTAAGCGAGAAGTAGTTGTTTATGCACCCTTTGCAATAAACAAGAGATCTTCTATACAGCTATTGT  
 GAACCGCACAAATGCAACATGTTTGGATCCTGTGAGAAGGAAACAGTTGAGCTAAGTCTACTGGAAGA  
 CAAAACGACGAAGTAGAAAGTCAATAAATTACAGCGAACTAGATCAGTTCCTAGTGAATTAGAAAAAC  
 TAATAAGTCAAAACAGCCAGAAGTAACAGAGAGAGGACTGTTGTGGAAGGTAATATCCCTATAGAATC  
 TGAAGTAACTGAAGCTGCGGAATATAATGATGCTACTCGAAAGTGTGTAATCACCCATATATGATT  
 GAATATCCTATTGACCTGTACACAAGAATTTAAGATTGATGAAGAGTTGGTAACAATCTGGGAAGT  
 TCTTAATTTGGATCGAATGCTGCCGAACCTAAAAAAGAGGTCACAAGTTCTGGTGTTCACAAAT  
 GACAAGCATGTTGGACATCTTGATGGATTATTGCCATCTAGAAACTTCATCTTTAGCAGACTTGATGGG  
 TCCATGTCTTATTCGAAAGAGAAAAAATATATACAGTTTCAACACGGATCCAGATGTTTTCTTTTCT  
 TAGTGAGTACACGAGCTGGTGGTTAGGCATAAAGTACTGACTGCAGCAGATACAGTGTATTTATGACAG  
 TGATTGGAATCCTCAGTCTGATCCTCAGGCTCAAGATAGATGTCATAGAATTGGTCAGACAAAGCCAGT  
 GTTGTGTATCGTCTTGTAACAGCAAATACTATTGACCAGAAAATGTGGAAGAGCAGCTGCTAAAAAGAA  
 AGTTGGAGAAGTTGATAATCCATAAAAAATCATTCAAAGGTGGTCAAGTCTGGGTTAAGTCAATCTAAGAA  
 TTTCTTAGATGCAAAGGAATTAATGGAGTTATTAATACTAGAGATTATGAAAGGGAAGTAAAAGGATCC  
 AGAGAGAAGGTCATTAGTGACGAAGATCTAGAATTAAGTGGATCGAAGTGTCTCATTGATCAATGA  
 AGGCTTCAAGACCAATTAAGGGGAAGACAGGGATATTCAAATACTAGAAAATCTGAAGATTCCAGTGC  
 TGAATGTTTATTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_008234  
**Insert Size:** 2466 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_008234.3</a> , <a href="#">NP_032260.2</a>
<b>RefSeq Size:</b>	3039 bp
<b>RefSeq ORF:</b>	2466 bp
<b>Locus ID:</b>	15201
<b>UniProt ID:</b>	<a href="#">Q60848</a>
<b>Cytogenetics:</b>	19 C3
<b>Gene Summary:</b>	Plays an essential role in normal development and survival. Involved in regulation of the expansion or survival of lymphoid cells. Required for de novo or maintenance DNA methylation. May control silencing of the imprinted CDKN1C gene through DNA methylation. May play a role in formation and organization of heterochromatin, implying a functional role in the regulation of transcription and mitosis.[UniProtKB/Swiss-Prot Function]