

## Product datasheet for **MG210821**

### Hells (NM\_008234) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hells (NM_008234) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hells
Synonyms:	A1323785; E130115I21Rik; LSH; Lysh; PASG; YFK8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG210821 representing NM\_008234  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGAACAAACGGAGCCTGCGGTGATTACTCCAGCCATGCTGGAGGAGGAGGAACAGCTCGAGGCTG  
 CGGGACTTGAGAAAGAGCGGAAGATGTTAGAAGAGGCTCAAAAAGTCTGGGACAGAGAGTCCACTGAAAT  
 TCGGTACCGCAGACTTCAGCATTGCTTAAAAAGCAATATCTACTCAAAATTTTTGTTGACTAAAATG  
 GAACAACAGCAATTGGAGGAACAGAAGAAGAAAGAGAAGTTGGAGAAAAAAAACGGTCATTAAGCTTA  
 CAGAGGGTAAAAGTTTGGTTGATGGGAATGGAGAGAAACAGTCATGAAAAAGAAAAGAGGAAGAGAAGA  
 TGAATCTTATAATATTTAGAGGTCATGTCAAAGAGGAAATTTGTCCGTAGCTAAAAACATAAGGAT  
 AATGAGGATGAAAGCTCTCCACTACGAGTCTTTGTGTAGAAGATATTCAGAAAAATAAGGATCAATA  
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 ATGTAACGGACAGCCTGTACCCTTCAACAACCAAGCATTTCACAGGAGGAGTAATGAGGTGGTACCAA  
 GTAGAAGGCATGGAATGGCTTAGGATGCTTTGGGAAAATGGAATTAATGGCATTATAGCAGATGAAATGG  
 GTTTGGGAAAGACTGTTCAAGTGCATTGCTACAATTGCATTGATGATTCAGAGGGGAGTACCTGGACCTTT  
 TCTTGTGTTGTGGCCCTTTGTCTACACTTCTAACTGGATGGCTGAATTTAAAAGATTTACTCCAGAAAT  
 CCTACTCTGCTGTATCATGGAACCCGGGAGGACCGTCGGAATAGTAAAGAATATCCACAAAAGACAAG  
 GGACACTGCAGATTCATCCTGTGGTGGTCACATCATTGAGATCGCTATGCGAGACCAGAATGCTTTACA  
 GCATTGCTATTGGAATACTTAATAGTAGATGAAGGACACAGGATTAAGAATATGAAGTGCCGGCTAATC  
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 CAGAACTTTGGTCATTGCTAACTTTTTGTTGCCAGATGATTTGATGACTTGAAAAGCTTTGAGCTTTG  
 GTTTGACATCACTAGTCTTTCTGAAACTGCTGAAGATATTATAGCTAAAGAGAGAGAACAGAATGTTTTA  
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 CCAAAACGACGAAGTAGAAGGTCAATAAATTACAGCGAACTAGATCAGTTCCTAGTGAATTAGAAAAAC  
 TAATAAGTCAAAACAGCCAGAAGTAAACAGAGAGAGGACTGTTGTGGAAGGTAATATCCCTATAGAATC  
 TGAAGTTAATCTGAAGCTGCGGAATATAATGATGCTACTTCGAAAGTGTGTAATCACCCATATATGATT  
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 GACAAGCATGTTGGACATCTTGATGGATTATTGCCATCTAGAAACTTCATCTTTAGCAGACTTGATGGG  
 TCCATGTCTTATTCGAAAGAGAAAAAATATATACAGTTTCAACACGGATCCAGATGTTTTCTTTTCT  
 TAGTGAGTACACGAGCAGGTGGTTTAGGCATAAAGTCTGACTGCAGCAGATACAGTGTATTTATGACAG  
 TGATTGGAATCCTCAGTCTGATCTCCAGGCTCAAGATAGATGTCATAGAATTGGTCAGACAAAGCCAGTT  
 GTTGTGTATCGTCTTGTAACAGCAAATACTATTGACCAGAAAATTGTGGAAGAGCAGCTGCTAAAAGAA  
 AGTTGGAGAAGTTGATAATCCATAAAAAATCATTCAAAGGTGGTCAGTCTGGGTTAAGTCAATCTAAGAA  
 TTTCTTAGATGCAAAGGAATTAATGGAGTTATTAATACTAGAGATTATGAAAGGGAAGTAAAAGGATCC  
 AGAGAGAAGGTCATTAGTGACGAAGATCTAGAATTAAGTGTGGATCGAAGTGTCTCATTGATCAATGA  
 AGGCTTCAAGACCAATTAAGGGGAAGACAGGGATATCAAAATACTAGAAAATCTGAAGATTCCAGTGC  
 TGAATGTTTATT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG210821 representing NM\_008234  
 Red=Cloning site Green=Tags(s)

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MAEQTEPAVITPAMLEEEQLEAAGLEKERKMLEEAQKSWDRESTEIRYRRLQHLLKSNIIYSKFLITKM
EQQLEEQKKKEKLEKKRSLKLTGKSLVDGNKEKPMKKKRGREDESYNISEVMSKEEILSVAKKHKD
NEDESSSTSLCVEDIQKNKDSNSMIKDRLSQTVRQNSKFFFDVPVRKCNQGPVFPQPKHFTGGVMRWYQ
VEGMEWLRMLWENGINLADEMGLGKTVCIAIATMIQRGVPFPFLVCGPLSTLPNWMMAEFKRFTEI
PTLLYHGTREDRRKLVKNIHKRQGLQIHPVVVTSFEIAMRDQNALQHCVWYKYLIVDEGHRIKMKCRLI
RELKRFNADNKLLLTGTPLQNNLSELWSLLNLLPDVFDLKSFEWFDITSLSETAEDIIAKEREQNVL
HMLHQILTPFLLRRLKSDVALEVPPKREVVVYAPLCKNQEIFYTAIVNRTIANMFGSCEKETVELSPTGR
PKRRSRRSINYSELDQFPSELEKLISQIQPEVNRERTVVEGNPIESEVNLKLRNIMMLLRKCCNHPYMI
EYPIDPVTQEFKIDEELVTNSGKFLILDRMLPELKKRGHKVLFVFSQMTSMLDILMDYCHPRNFIFSRLDG
SMSYSEREKNIYSFNTDPDVFLLVSTRAGGLGINLTAADTVIIYSDWNPQSDLQAQDRCHRIGQTKPV
VVYRLVTANTIDQKIVERAAAKRLEKLIHKNHFKGGQSGLSQSKNFLDAKELMELLKSRDYEREVKGS
REKVISDELELLLDRLIDQMKASRPKGGTGFIFKILENSEDSSAECLF
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**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\\_008234.3](#), [NP\\_032260.2](#)

**RefSeq Size:** 3039 bp

**RefSeq ORF:** 2466 bp

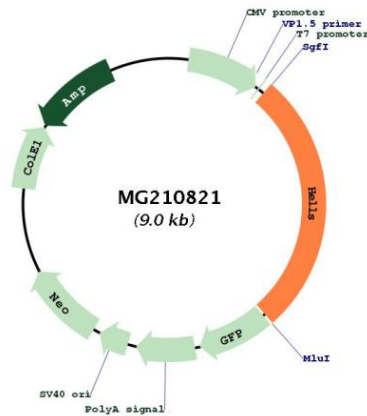
**Locus ID:** 15201

**UniProt ID:** [Q60848](#)

**Cytogenetics:** 19 C3

**Gene Summary:** 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]

**Product images:**



Circular map for MG210821