

Product datasheet for **MC204752**

Hyou1 (NM_021395) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hyou1 (NM_021395) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hyou1
Synonyms:	Al415631; Cab140; CBP-140; Grp170; Orp150
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC050107

```

GCCGCTGAGAGGGTCACAATGGCAGCCACAGTAAGAAGGCAGAGGCCAAGGAGGCTACTCTGTTGGGCC
TGGTGGCTGTCTCTTGGCAGACCTGTTGGCACTGAGCGACACATTGGCTGTGATGTCTGTAGACCTGGG
CAGTGAATCCATGAAGGTGGCCATTGTCAAGCCTGGAGTGCCATGGAGATTGTATTGAACAAGGAATCT
CGGAGGAAAACCTCCAGTGACTGTGACCTTGAAAGAAAATGAAAGGTTTTTGGTGTAGTGCAGCCGGCA
TGGCCATCAAGAACCCAAAGGCTACGCTCCGTTATTTCCAGCACCTCCTTGGAAAACAGGCGGATAACCC
TCATGTGGCCCTTACCAGTCCCGTTTCCAGAACATGAGCTAATTGTTGACCCACAGAGGCAGACTGTG
CGCTTCTGATCAGTCCGACAGTGCAGTTCTCTCCGAGGAGGTACTGGGCATGGTTCTGAACTACTCCC
GTTCTTGGCTGAAGATTTTGTGAACAACCCATTAAGGATGCAGTGATCACCGTCCAGCCTTTTTCAA
CCAGGCTGAGCGCGAGCTGTGCTGCAGGCTGCTCGGATGGCTGGCCTCAAGGTGCTGCAGTCCATCAAT
GACAACACTGCCACAGCCCTCAGCTACGGTGTCTTCCGCGGAAAGATATCAATCCACTGCACAGGACG
TCATGTTCTATGACATGGGCTCGGGCAGCACTGTGTGCACCATCGTCACCTACCAGACAGTGAAGACTAA
GGAGGCTGGGATGCAACCACAGCTGCAGATCCGGGGCGTGGGATTTGACCGCACCCCTGGGTGGCCTGGAG
ATGGAGCTTCGGCTTCGAGAACACCTGGCTAAGCTCTTCAATGAGCAGCGCAAGGGCCAGAAAGCCAAGG
ATGTTCCGGGAAAACCCCGGGCCATGGCCAAACTGCTTCGGGAAGCCAACCGGCTTAAAACCGTCTGAG
TGCCAACGCTGATCACATGGCACAGATTGAGGGCTTGATGGATGATGTGGACTTCAAGGCCAAAGTAACT
CGGGTGAATTCGAGGAGCTGTGCGCAGATTTGTTTGACCGTGTGCCTGGACCTGTGCAGCAGGCCTTGC
AGAGTGACAGAGATGAGCTTGATCAAATTGAGCAGGTGATCCTGGTGGGCGGGCCACTCGTGTTCCTCAA
AGTTCAAGAAGTGTGCTCAAGGCCGTGGGCAAGGAGGAATAGGAAAGAACATCAATGCGGACGAAGT
GCTGCCATGGGGCTGTGTACCAGGCAGCGCGCTCAGCAAGGCCTTCAAAGTGAAGCCATTTGTTGTGC
GGGATGTGTCTTTACCAATCCTGGTGGAGTTCACAAGGGAGGTGGAGGAGGACCTGGGCTCCGAAG
CCTGAAACACAATAAGCGTGTGCTCTTCTCCGAAATGGGGCCCTACCCTCAGCGCAAAGTCATCACCTTT
AACCGCTACAGCCATGATTTCAACTTCCACATCAACTACGGTGACCTGGGCTTCTGGGGCTGAGGATC
TTCGGGTATTTGGCTCCCAGAATCTGACCACAGTAAAATAAAAGGCGTGGGAGAGAGCTTCAAGAAATA
TCCCGACTATGAGTCAAAGGCATCAGGGCCACTTTAACCTGGATGAGAGTGGCGTGTCTAGTTTACAG
AGGGTGGAGTCCGTATTTGAGACCCTGGTGGAGGATAGCCAGAGGAAGAATCTACTCTTACCAAACTTG
GCAACACCATATCCAGCCTGTTTGGAGGTGGTACCTCATCAGATGCCAAAGAGAATGGTACTGATGCTGT

```



[View online »](#)

ACAGGAGGAAGAGGAGAGCCCCGCTGAGGGGAGCAAGGATAAGCCTGCAGAGCAGGGGAACTCAAGGAA
 GAAGCTGAACCCCGAGCAGAGGAGACCTCTCAGCCTCCACCTCTGAGCCTAAGGGGGATGCAGCCCGTG
 AGGGAGAGAAACCTGATGAAAAAGAGAGTGGGGACAAGCCTGAGGCCAGAAAGCCCAATGAGAAGGGGCA
 AGCAGGGCCTGAGGGTGTCTCCAGCTCTGAGGAGGACAAAAGCCGAAACCTGCCGGGAAGCAGAAA
 ATGGTGGAGGAGATAGGTGTGGAGCTGGCTGTCTTGGACCTGCCTGACTTGCCAGAGGATGAGCTGGCCC
 GTTCTGTGCAGAACTTGAAGAAGTACCCTGCGGACCTAGAGAAGCGGGAGAGGGAGAAAGTGCCTCA
 CAGCTTGAAGGCTTTCATCTTTGAGACCCAGGACAAGCTGTACCAGCCTGAGTACCAGGAAGTGTCCACT
 GAGGAACAGCGGGAGGAGATCCCGGGGAACTCAGCGCCACTTCTACCTGGCTGGAGGATGAGGGATTG
 GAGCCACCACTGTGATGTGAAGGACAAGCTGGCTGAGCTGAGAAAGCTGTGCCAAGGGCTGTTTTTTCG
 GGTGGAAGAAGCAGGAAATGGCCAGAGCGGCTTTCAGCTCTGGATAATCTCCTCAACCATTCCAGCATT
 TTCCTCAAGGGTCCCGGCTCATCCCGGAGATGGACCAGGTCTTCACTGAAGTGGAGATGACGACATTAG
 AGAAAGTCATCAATGACACCTGGGCTGGAGAATGCAACTCTGGCCGAACAAGCCAAGTTCCTGCCAC
 AGAGAAGCCTGTGCTGCTTCAAAGACATTGAGGCCAAAATGATGGCCCTGGACCGGGAGGTACAGTAT
 CTAACAATAAGGCCAAGTTTACCAAGCCACGGCCACGGCCAAAAGACAAGAATGCCACCGGGCAGAAC
 CCCCCCTCAATGCCAGTGTGGTACCAAGAGGAGAAGGTCATTCCACCTGCAGGCCAGACTGAAGAGGC
 GAAACCCATTTAGAACCTGACAAGAAGAGACTGGTACGGAACAGCAGACTCGGAGCCTCTGGAATTA
 GGAGGTCTGGAGCTGGACCTGAACAGGAAGAGCAGTCAGCAGGACAGAAAGCGGCCCTTCAAAGAACGATG
 AACTATAACCCAGCTCCTGCCTTCCGACTTGGCTCCAGCCCCTTCTCCTACCACCTCTATTTATTATAC
 ATCAGGGTTGGAGTGGGGTGGTCCCTCAGGGGCTCAAGTTCCTTCTCTCAGCTGGGACAGGAGGTGGC
 TGCTCAGTCTAGAGTAGCTCTATGGGTGTAACCGGCTCAGTCTGTGCCCCAGCCCCACCTCTGGTCT
 CCTACTCTGCGCCTGTGTTGGGAAAAATCACTATTATGTCTTAATCTTTGCCTGTGGGTAAGTGAG
 AGAATGGCTGCCAGTAGTTGTTGGAGACCTGGTAGTGGGAAGGATGTTATGGTCACTGGAAAGTGGCCA
 GTCTTTCACAGCATCCTTTCATCTTTCCCTTCCACAAAATCAGTGTCTGTTTGGACCAAGTGTACAG
 AGCCTCAGTCCCCTTGGTTTCTGAGTGCCTTTTTCTCTTCTGTGTCTTCTTCCCTTGTCTTCCCTC
 CTGGCTCTTCTGTCTTTCCTTCCCTGTGCAGACAGGACTATGGTCTTCTTGCCCAAAGACTTTTCATCT
 GGACTGTCTATAGAGTAAATATGCTCTCATGGTTCATGCGACCCCTGGTGGCTGGAGTAAGCGGGGAGCA
 GGCAAGAAGGGAAAGCCCTGTAGCCCTGAATGGGTTGTTGGACCCAGGACAGTACAGGTCCGGAGAGTGG
 CTGGCAAGGATGCAAGTATACTGCAGGCACTCGACATCCTTGTGACGCCCCAGTTCCTGTGACACCTACCC
 CTTTCTGCTCTTCTCCTTCCCTTGGGCTGACCAAAAATGTGCTATCTACTGTGAGCCCTTTCCCAA
 GACCCTGGGGGACGGAGAGACCATGGAGTGAATGTAATAAATGCCACCTCACTCTCAGGCAAGCTTTGTGG
 GTAAGAGCAGGGGTGAGGGTCAACTTGACAGTGTACTTCGCTAGGAAGGAGAGGCCCTTGCCTGTAT
 AACCATGCTAGAGTGCCTGTCCCTCAGTATTGCACCTGTAGCCGGAGCTAGGGCCACCCAGTGCAGGG
 GCAAAGCAAACCTGATGTGAGTCTTTTGTCTTTTCTACCCCAACCTCACCTCTCACCTACTTTCCAC
 CCCCCACCCCGCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTCACATTGGCAGAGGGGCTATAGGT
 CCTTCACTGTTCCCTCCTGTGTGTTGGAGTCTTTAGTTAGCAGTTCAGGCTGGTGGACAGGTTTGAAT
 CAAATTGACTTTGTTCCATTGTTAATTGAGAACTGTTTCAATAAAAATATTCTTTTCTATAGGTTGTAA
 AAAAAATAAATAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_021395
- Insert Size:** 3000 bp
- OTI Disclaimer:** 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).
- 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: [BC050107](#), [AAH50107](#)

RefSeq Size: 4406 bp

RefSeq ORF: 3000 bp

Locus ID: 12282

UniProt ID: [Q9JKR6](#)

Cytogenetics: 9 A5.2

Gene Summary: Has a pivotal role in cytoprotective cellular mechanisms triggered by oxygen deprivation. May play a role as a molecular chaperone and participate in protein folding (By similarity).
[UniProtKB/Swiss-Prot Function]