

Product datasheet for **MR207208**

Idh2 (NM_173011) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Idh2 (NM_173011) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Idh2
Synonyms:	E430004F23; Idh-2; IDPm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207208 representing NM_173011
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGCTACCTGCGGGCTGTGAGCTCGCTCTGCAGAGCCTCGGGCTCAGCGCGACCTGGGCACCGG
 CAGCACTGACTGTCCCCAGCTGGCCGGAGCAGCCGCGGCCCACTATGCTGAGAAGAGGATCAAGGTGGA
 GAAGCCGGTAGTGGAGATGGACGGTGACGAGATGACCCGGATCATCTGGCAGTTCATCAAGGAGAAGCTC
 ATCCTGCCTCACGTGGATGTTCACTCAAGTATTTGACCTTGGGCTTCCAAACCGTGACCAGACCAATG
 ACCAGGTCACCATTGACTCTGCTCTGGCCACCCAGAAGTACAGTGTGGCTGTCAAGTGTCCACAATCAC
 CCCTGATGAGGCCCGTGTGAAGAGTTCAGCTGAAGAAAATGTGAAGAGCCCTAACGGAACGATCCGG
 AACATCCTTGGGGGAACCGTCTCAGAGAGCCAATCATCTGCAAAAACATCCCCCGCTTGTCCCTGGCT
 GGACCAAGCCCATCACCATTGGCAGGCACGCCATGGCGACCAGTACAAGCCACAGATTTTGTGGTAGA
 TCGAGCTGGCACGTTCAAGTTGGTCTTACCCCAAAGGATGGCAGCAGTCCAAGGAGTGGGAGGTGAT
 AACTTCCCTGCCGAGGGGTTGGGATGGGGATGTACAACACCGACGAGTCCATTTTCGGGCTTCGCGACA
 GCTGCTTCCAGTACTCTATCCAGAAGAAATGGCCGCTCTACTTGAGCACCAAGAACCATTCTGAAGGC
 CTATGACGGGCGTTTCAAGGACATCTTCCAGGAGATCTTTCACAAGCACTATAAGACTGACTTCGACAAG
 AATAAGATCTGGTATGAACATCGGCTCATCGACGACATGGTGGCCAGGTGCTCAAGTCTCCGGTGGCT
 TTGTGTGGGCTTGCAAAAACATATGATGGAGACGTGCAGTCTGACATCCTGGCTCAAGGCTTTGGCTCCCT
 CGGCCTGATGACATCTGTGCTGGTCTGCCCTGATGGGAAGACAATTGAGGCTGAGGCTGCTCATGGGACA
 GTCACCCGCCATTACCGAGAACCAGAAAGGGCCGCCACCAGTACCAACCCTATTGCCAGCATCTTTG
 CCTGGACACGGGGTCTGGAGCATCGTGGGAAGCTGGATGGGAACCAGGACCTTATCAGGTTGCACAGAC
 GCTGGAGAAGGTGTGCGTGCAGACTGTGGAGAGCGGAGCGATGACCAAGGACCTGGCTGGCTGTATCCAT
 GGCTCAGCAATGTGAAGCTGAACGAGCACTTCTGAACACCACAGACTTCTGGACACCATTAAGAGCA
 ACCTGGACAGAGCTCTGGCAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207208 representing NM_173011
 Red=Cloning site Green=Tags(s)

MAGYLRAVSSLCRASGSARTWAPAALTVPSWPEQPRRHYAEKRIKVEKPVVEMDGDDEMTRIIWQFIKEKL
 ILPHVDVQLKYFDLGLPNRDQTNQVTDLSALATQKYSVAVKCATITPDEARVEEFKLLKMWKSPNGTIR
 NILGGTVFREPIICKNIPRLVPGWTKPITIGRHAHGDQYKATDFVVDRAAGTFKLVFVTPKDGSSAKEWEVY
 NFPAGGVGMGYNTDESISGFAHSCFQYSIQKKWPLYLSTKNTILKAYDGRFKDIFQEIFDKHYKTDFDK
 NKIWIYEHRLIDDMVAQVLKSSGGFVWACKNYDGDVQSDILAQGFGLMTSVLVCPDGKTIIEAAHGT
 VTRHYREHQGRPTSTNPIASIFAWTRGLEHRGKLDGNQDLIRFAQTLEKVCVQTVESGAMTKDLAGCIIH
 GLSNVKNLNEHFLNTTDFLDTIKSNLDRALGKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

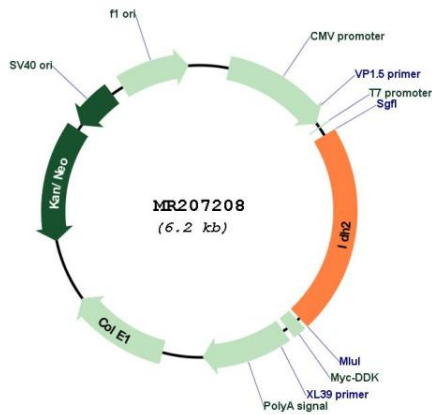
https://cdn.origene.com/chromatograms/mm9032_c04.zip

Restriction Sites:

Sgfl-Mlul

RefSeq: [NM_173011.2, NP_766599.2](#)
RefSeq Size: 1718 bp
RefSeq ORF: 1359 bp
Locus ID: 269951
UniProt ID: [P54071](#)
Cytogenetics: 7 45.43 cM
MW: 51.4 kDa
Gene Summary: Plays a role in intermediary metabolism and energy production. It may tightly associate or interact with the pyruvate dehydrogenase complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207208