

Product datasheet for **MR224452**

Igf2 (NM_001122736) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igf2 (NM_001122736) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Igf2
Synonyms: AL033362; Igf; Igf-; Igf-2; Igf-II; M; M6; M6pr; Mpr; Peg; Peg2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224452 representing NM_001122736
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGATCCCAGTGGGGAAGTCGATGTTGGTGCTTCTCATCTCTTTGGCCTTCGCCTTGTGCTGCATCG
CTGCTTACGGCCCCGAGAGACTCTGTGCGGAGGGGAGCTTGTGACACGCTTCAGTTTGTCTGTTCCGA
CCGCGGCTTCTACTTCAGCAGGCCTTCAAGCCGTGCCAACCGTCGCAGCCGTGGCATCGTGAAGAGTGC
TGCTTCCGCAGCTGCGACCTGGCCCTCCTGGAGACATACTGTGCCACCCCGCCAAGTCCGAGAGGGACG
TGCTACTCTCAGGCCGTA CTCCGGACGACTCCCCAGATACCCCGTGGGCAAGTTCTTCCAATATGA
CACCTGGAGACAGTCCGCGGGACGCTGCGCAGAGGCCTGCCTGCCCTCCTGCGTGCCCGCGGGGTGCG
ATGCTTGCCAAAGAGCTCAAAGAGTTCAAGAGGCGCAAACGTCATCGTCCCTGATCGTGTACCACCCA
AAGACCCCGCCACGGGGGAGCCTCTTCGGAGATGTCCAGCAACCATCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224452 representing NM_001122736
 Red=Cloning site Green=Tags(s)

MGIPVGKSMVLVLLISLAFALCCIAAYGPGETLGGELVDTLQFVCSDRGFYFSRPSSRANRRSRGIVEEC
CFRSCDLALLETYCATPAKSERDVSTSQAVLPDDFPRYPVGKFFQYDTRQSAGRLRRLPALLRARRGR
MLAKELKEFREAKRHRPLIVLPPKDPAHGGASSEMSNHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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RefSeq Size: 3701 bp

RefSeq ORF: 543 bp

Locus ID: 16002

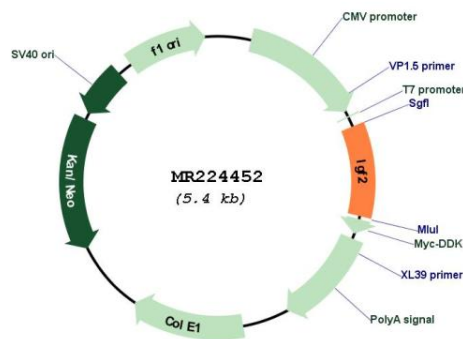
UniProt ID: [P09535](#)

Cytogenetics: 7 87.99 cM

MW: 20 kDa

Gene Summary: This gene encodes a member of the insulin-like growth factor (IGF) family of proteins that promote growth and development during fetal and postnatal life. It is an imprinted gene that is expressed only from the paternal allele. The encoded protein undergoes proteolytic processing to generate a mature peptide. The transgenic overexpression of this gene in mice results in prenatal overgrowth, polyhydramnios, fetal and neonatal lethality, disproportionate organ overgrowth including tongue enlargement, and skeletal abnormalities. Mice lacking the encoded protein exhibit growth deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Oct 2015]

Product images:



Circular map for MR224452