

Product datasheet for MC215945

Ihh (NM_010544) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ihh (NM_010544) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ihh
Synonyms:	HHG-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC215945 representing NM_010544 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCCTCCCGCTGGCTCCGGCCCCGACTGCGGTTCTGTCTGTTCTGCTGCTGCTTCTGGTGCCGG
CGGCGCGGGGCTGCGGGCCGGCCGGTGGTGGGCAGCCGCCGGAGGCCCTCGAAGCTCGTGCCTCT
TGCTACAAGCAGTTAGCCCCAACGTGCCGAGAAGACCCTGGGCGCCAGCGGGCGCTACGAAGGCAAG
ATCGCGCGCAGCTCTGAGCGCTTCAAAGAGCTCACCCCAACTACAATCCCGACATCATCTTCAAGGACG
AGGAGAACACGGGTGCCACCGCCTCATGACCCAGCGCTGCAAGGACCGTCTGAACCTCACTGGCCATCTC
TGTCATGAACCAGTGGCCTGGTGTGAAACTGCGGGTGACCGAAGGCTGGGATGAAGATGGCCATCACTCA
GAGGAGTCTTTACACTATGAGGGCCGCGCGGTGGATATCACACCTCAGACCGTGACCGAAATAAGTATG
GACTGCTGGCGCGCTTAGCAGTGGAGGCCGGCTTCGACTGGGTGTATTACGAGTCCAAGGCCACGTGCA
TTGCTCTGTCAAGTCTGAGCATTGCGCCGCTGCCAAGACAGGTGGCTGCTTTCCTGCCGAGCCAGGTG
CGCCTAGAGAACGGGAGCGTGTGGCCCTGTGAGCTGTAAAGCCAGGAGACCGGGTGTGGCCATGGGGG
AGGATGGGACCCCACTTCAGTGATGTGCTTATTTCTGGACCGCGAGCCAAACCGGCTGAGAGCTTT
CCAGGTCATCGAGACTCAGGATCCTCCGCGTCGGCTGGCGCTCACGCTGCCACCTGCTCTTCATTGCG
GACAATCATACAGAACCAGCAGCCCACTTCCGGGCCACATTTGCCAGCCATGTGCAACCAGGCCAATATG
TGCTGGTATCAGGGGTACCGGCCCTCCAGCCTGCTCGGGTGCCAGCTGTCTCCACCCACGTGGCCCTTGG
GTCTATGCTCCTCTCACAAGGCATGGGACACTTGTGGTGGAGGATGTGGTGGCCTCCTGCTTTGACGT
GTGGCTGACCACCATCTGGCTCAGTTGGCCTTCTGGCCCTGCGACTGTTTCCAGTTTGGCATGGGGCA
GCTGGACCCCAAGTGAGGGTGTTCAGTGTACCCTCAGATGCTCTACCGCCTGGGCGCTCTTGTCTAGA
AGAGAGCACCTTCCATCCACTGGGCATGTCTGGGCAGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-MluI
ACCN:	NM_010544
Insert Size:	1236 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_010544.3 , NP_034674.2
RefSeq Size:	2476 bp
RefSeq ORF:	1236 bp
Locus ID:	16147
UniProt ID:	P97812
Cytogenetics:	1 38.55 cM
Gene Summary:	Intercellular signal essential for a variety of patterning events during development. Binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes. Implicated in endochondral ossification: may regulate the balance between growth and ossification of the developing bones. Induces the expression of parathyroid hormone-related protein (PTHrP).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).