

Product datasheet for SC115286

HIG2 (HILPDA) (NM_013332) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIG2 (HILPDA) (NM_013332) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIG2
Synonyms:	C7orf68; HIG-2; HIG2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115286 sequence for NM_013332 edited (data generated by NextGen Sequencing) ATGAAGCATGTGTTGAACCTCTACCTGTTAGGTGTGGTACTGACCCTACTCTCCATCTTC GTTAGAGTGATGGAGTCCCTAGAGGGCTTACTAGAGAGCCCATCGCCTGGGACCTCCTGG ACCACCAGAAGCCAAGTACCAACACAGAGCCCAAGGGCCTTCCAGACCATCCATCC AGAAGCATGTGA

Clone variation with respect to NM_013332.3

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_013332 unedited ACGATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGCGCTTTTG TCTCCGGTGAGTTTTGTGGCGGGAAGCTTCTGCGCTGGTGCTTAGTAACCGACTTTCCTC CGGACTCCTGCACGACCTGCTCCTACAGCCGGCGATCCACTCCCGGCTGTTCCCCCGGAG GGTCCAGAGGCCCTTTCAGAAGGAGAAGGCAGCTCTGTTTCTCTGCAGAGGAGTAGGGTCC TTTCAGCCATGAAGCATGTGTTGAACCTCTACCTGTTAGGTGTGGTACTGACCCTACTCT CCATCTTCGTTAGAGTGATGGAGTCCCTAGAGGGCTTACTAGAGAGCCCATCGCCTGGGA CCTCCTGGACCACCAGAAGCCAAGTACCAACACAGAGCCCAAGGGCCTTCCAGACC ATCCATCCAGAAGCATGTGATAAGACCTCCTTCCATACTGGCCATATTTTGAACACTGA CCTAGACATGTCCAGATGGGAGTCCCATTCCTAGCAGACAAGCTGAGCACCATTGTAACC AGAGAAGTATTACTAGGCCTTGAAGAACCTGTCTAACTGGATGCTCATTGCCTGNGCAAG GCCTGTTTAGGCCGGTTGCGGTGGCTCATGCCTGTAATCCTAGCACTTTGGAGGCTTTGA GGTGGGTGGATCACCTGAGGTCANGAGTTCGAGACCAGCTCGCCAACATGGCGAAACCC CATCTCTACTAAAAATACAAAAGTTAGCTGGGTGTGGTGGCAGAGGCCTGNTATCCANC TCTTTTGGAGGGCTGAGCCGGANAAATGCTTGAACCCCGGACCNAGTTGCAGTGAGCC CGAGATCCACTGCTGTACCCACCTGGGCCACAGTGCAAGACTCCATCTCAAAAAANAAG AAAAGAAAAAGCCTGTCTTATGCCAGNTGTGAGTGGNATGCCTATGGCTATGAGAA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_013332 unedited <pre> TTGGACGCGGCCCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTGAAGATATATTCCA CTTTATTAGTTAGAAAAATCATTTAAGCCACATGGTGGCCACAATGTCCATAACTTGAG CAGGCTTTGGCATCCACCACCCCTTCAGACCAATACACACTATGTTGGAGGAACGACT TAAAAATGTAAATGAGAAATGGGCACTGAACACTCCATCCTCACTCCCAACAGCCCACC CACACAACCTCTTCAACTGCTATCCAAACATGGAGGAGCTCTTGTTGAAGAGAGGCTCAA CACCAAATAATTGAGCATAAGACATTCAAGACTAAAGGAACCCAGACAGATGTTTAGGA AGTAGGGTTGAAAAATATCACCATCTCCCAACAGCTGAAGTTGGGACATCTAAGAGATGTC AGAGCCATACTGCTGAGGAAAGCACAGCATACACCAGACCCCGGGTAAGGGCGAGATCA ACCTATCTCATAGCCATAAGCAATCCACTCACACCTGTGCATTAAACAGGCTTTTTCTTT TCTTTTTTTTTTGGAGTCTTGCACTGTGGCCAGGCTGGGTACAGCAGTGCGATC TCGGCTCACTGCAACCTCCGTCCCGGGTTCAAGCAATTCTCCCGCTCAGCCTCCCAAG GAGCTGGGATTACAGGCCTCTGCCACCACCCAGCTAACTTTTGTATTTTAGTAGAGA TGGGGTTTTCGCATGTTGGCGAGGCTGGTCTCGAACTCCTGACCTCAGGTGATCCACCC ACCTCAGCCTCCCAAGTCTNAGATTACAGCATGAGCCACCGCAACCGGCTAACAGGCC TTGCCAGCATGAGCATCCANTAGACAGGTCTTCAGGCCTAGTATAGTCTCTGGTACAAC GNGCTCANCTGTCTGCTAGAATGGGACNCCATCTGGATGTCTAGGTCATGTCCAAAAATG CGCT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_013332
Insert Size:	1380 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.
RefSeq:	NM_013332.1 , NP_037464.1

RefSeq Size:	1372 bp
RefSeq ORF:	192 bp
Locus ID:	29923
UniProt ID:	Q9Y5L2
Cytogenetics:	7q32.1
Protein Families:	Transmembrane
Gene Summary:	Increases intracellular lipid accumulation. Stimulates expression of cytokines including IL6, MIF and VEGFA. Enhances cell growth and proliferation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.