

Product datasheet for **RN210531**

Epas1 (NM_023090) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epas1 (NM_023090) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epas1
Synonyms:	HIF-2 alpha; HIF2 alpha; Hif2a; HLF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210531 representing NM_023090
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAGCTGACAAGGAGAAGAAAAGGAGCAGCTCGGAGCTGAGGAAGGAGAAATCCCGAGATGCCGCAC
 GGTGCCGGCGTAGCAAGGAGACGGAGGTTCTATGAACCTGGCTCATGAGCTGCCCTGCCACAGTGT
 GAGCTCCACCTGGACAAAGCCTCCATCATGCGCCTGGCCATCAGCTTCCTGCGAACACATAAACTCCTG
 TCTTCAGTGTGCTCTGAAAATGAATCTGAAGCCGAGGCTGACCAGCAGATGGATAACTTGTACCTGAAAAG
 CCTTGGAGGGCTTATTGCCGTGGTGACCAAGACGGTGATATGATCTTCTGTGAGAAAACATCAGCAA
 GTTCATGGGACTTACCCAGGTAGAATAACAGGACACAGCATCTTTGACTTCACTCATCCTTGCACCAC
 GAGGAGATCCGAGAGAACCTGACACTCAAACCTGGCTCTGGTTTTGGGAAGAAGAAAGATAGGTCTA
 CCGAGCGTGACTTCTTCATGAGGATGAAGTGTACCGTCACCAACAGAGGCCGGACTGTCAACCTTAAGTC
 GGGCACCTGGAAGTCTTGCACCTGCACCGGCAAGTGAGAGTCTACAACAACCTGCCCCCTCACAGTAGC
 CTCTGCGGCTACAAGGAGCCCCTGCTGTCTGCCTCATCATCATGTGTGAGCCAATCCAGCACCCATCCC
 ACATGGACATCCCCTTGACAGCAAGACTTTCTAAGCCGCCACAGCATGGACATGAAGTTCACCTACTG
 TGATGACAGAATCTTGAAGCTGGTTGGTTACCACCCCGAGGAGCTACTTGGCCGCTCTGCCTATGAATTC
 TACCACGCCCTGGACTCGGAGAACATGACAAAAAGTCACCAGAATTTGTGCACCAAGGGGCAAGTGGTGT
 CTGGCCAGTACCGGATGCTGGCCAAACATGGAGGATATGTGTGGTTGGAGACCCAGGGGACCGTCGTCTA
 CAACCCCGCAACCTGCAGCCCCAGTGTATCATGTGTGCAACTATGTCTGAGTGAGATAGAGAAGAAT
 GACGTGGTGGTCTCCATGGACCAGACTGAATCTTGTTCAGCCACACCCTGATGGCCATGAACAGCATCT
 TTGACACAAGTGACGACGTGGCCCTATCCGAGAAGAGCAACTACTGTTCAACAACCTGAAGGAGGCC
 AGAGGACCTGGCCAGCTGGCCCCACCCAGGGGATGCTATTATTTCTCTGGAAGCCAGAAC
 TTTGATGAATCCTCGACTTATGGCAAGGCCATCCTTCCCCAGGCCAGCCGTGGGCCACAGAGCTGAGGA
 GCCACAGTGCCAGAGTGAGTCCAGGAGCTGCCAGCCTTACCCTGCCAGGCCAGGTTCCCCAGGGAA
 TGCCACACCCAGCGCCACAAGCAGCAGCAGCTGCTCCAGCCCAGCAGCCCTGAGGATTACTACTCATCT
 CTGAGAAATCACTTGAAGATCGAAGTAATCGAGAAGCTTTCGCCATGGACACCGAGGCCAAGGATCAGT
 GCAGTACTCAGACGGACTTCAATGAACTGGACTGGAGACCCTGGCACCTACATCCCTATGGATGGCGA
 GGACTTCCAGCTCAGCCCCATCTGCCCGGAGGAGCCACTCGTCCCGGAGAGCCCCAGCCAACCCCGAG
 CACTGTTTCAGTACCATGTCAAGCATCTTCCAGCCGCTCACCCCGGGGGCCAGCCAAGGCACCTTCTTCC
 TTGACAAGTACCCGACGAGTTGGAAAGCCGGAAGACGGAGTCCGAGCACTGGCCATGTCTACCATCTT
 CTTTGATGCTGGGAGCAAAGGGTCCCTGCCCCATGCTGTGGCCAGGCCAGCACCCCTCTCTCTCTATG
 GGGGGCAGATCTAACACGCCCTTGGCCCCAGATCCACCATTACATTTAGGCCCTACGAAGTGGTCTGTGG
 GCAATCAGAGCGCTGAACCCCTGGGGCCTCTGCCACTGGGGACCTCGCAGTTGGAGCCTCCCAGCACCCC
 GCCTCATGTCTCCATGTTCAAGATGAGGTCTGCAAAGGACTTTGGGGCTCGAGGCCCATACATGATGAGC
 CCGCCATGATAGCCCTGTCCAACAAGCTGAAGCTAAAGCGCCAGCTGGACTACGAGGAGCCAGCCTTCC
 AAGACACAAGTGGGGGGACCTCCAGGCACCAGCAGTTCACACTTGTGTGAAACGAATGAAGAGCCT
 CATGGGCGGGACCTGTCTTTGATGCTGACAAGACCGTCAGTGCAAGCATGGCTCCTGATGAATTCACC
 CAAAAATCCATGAGAGGCTGGGCCAGCCACTGAGACACCTGCCACCTTCCAGCCACCATCTACCAGGA
 GTCCAGGAGAGAACGCCAAGAGTGGGTTCCACCACAGTGTATGCCTCCCCGTTCCAGGACTACAGTCC
 TCCAGGAGCTCAAAGGGGTGAGGAGTGGCAAGTCTGACTGCTGGGGCCATCGTTCCAGCCTTACCTGCTG
 CCGGAAGTACCAGATATGACTGTGAGGTGAACGTGCCCGAGCCTGGAAGTTCTACACTCTGCAGGGGA
 GAGACCTTCTCAGAGCTCTGGACCAGGCCACT**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_023090

Insert Size:	2625 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:	<ol style="list-style-type: none">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_023090.1 , NP_075578.1
RefSeq Size:	2730 bp
RefSeq ORF:	2625 bp
Locus ID:	29452
UniProt ID:	Q9JHS1
Cytogenetics:	6q12
Gene Summary:	activates luciferase activity after transfection [RGD, Feb 2006]