

Product datasheet for **RG215953**

HIF3 alpha (HIF3A) (NM_022462) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIF3 alpha (HIF3A) (NM_022462) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HIF3 alpha
Synonyms:	bHLHe17; HIF-3A; HIF3-alpha-1; IPAS; MOP7; PASD7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215953 representing NM_022462
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGCCTCACCATCAGCTACCTGCGCATGCACCGCCTCTGCGCCGAGGGGAGTGAACCAGGTGGGAG
 CAGGGGAGAACCCTGGATGCCTGCTACTGAAGGCCCTGGAGGGCTTGTGCATGGTGCTACCGCCGA
 GGGAGACATGGCTTACCTGTGCGAGAATGTCAGCAAACACCTGGGCCTCAGTCAGCTGGAGCTCATTGGA
 CACAGCATCTTTGATTTCCATCCACCCCTGTGACCAAGAGGAGCTTCAAGACGCCCTGACCCCCAGCAGA
 CCCTGTCCAGGAGGAAGGTGGAGGCCCCACGGAGCGGTGCTTCTCCTTGCGCATGAAGAGTACACTCAC
 CAGCCGCGGGCGCACCCCTCAACCTCAAGGCGGCCACCTGGAAGGTGCTGAACTGCTCTGGACATATGAGG
 GCCTACAAGCCACCTGCGCAGACTTCTCCAGCTGGGAGCCCTGACTCAGAGCCCCGCTGCAGTGCCTGG
 TGCTCATCTGCGAAGCCATCCCCACCCAGGCAGCCTGGAGCCCCACTGGGCCGAGGGGCTTCTCCTCAG
 CCGCCACAGCCTGGACATGAAGTTCACCTACTGTGACGACAGGATTGCAGAAGTGGCTGGCTATAGTCCC
 GATGACCTGATCGGCTGTTCCGCCTACGAGTACATCCACGCGCTGGACTCCGATCGGGTACGAAGAGCA
 TCCACACCTTGTGAGCAAGGGCCAGGCAGTAACAGGGCAGTATCGCTTCTGGCCCCGAGTGGTGGCTA
 CCTGTGGACCCAGACCCAGGCCACAGTGGTGTGACGGGGACGGGGCCCCAGTCGGAGAGTATCGTCTGT
 GTCCATTTTTTAATCAGCCAGGTGGAAGAGACCGGAGTGGTGTGCTCCCTGGAGCAAACGGAGCAACT
 CTCGCAGACCCATTACGCGGGGCGCCCCCTCTCAGAAGGACACCCTAACCTGGGGACAGCCTTGACAC
 CCCTGGCCCCGGATCCTTGCTTCTGACCCGCTTCCCTGAGCGAGGCTGCCCTGGCCGCTGACCCC
 CGCCGTTTCTGCAGCCCTGACCTCCGTCGCTCCTGGGACCCATCCTGGATGGGGCTTCACTAGCAGCCA
 CTCCCAGCACCCGCTGGCCACACGGCACCCCAAAGTCTCTTTGCGTGTATCTCCAGATGAAGTACACTACC
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 CCCCCGCTGAGCTGCTCCAGCCCTTCCAGAGGGGACCCCTCAGCATCCTCTCCATGGCTGGGGCTCGGA
 AGAGGACCCTGGCCAGAGCTCAGAGGACGAGGACGAGGGAGTGGAGCTGCTGGGAGTGAGACCTCCCAA
 AAGTCCCCCAGCCAGAACACGAAAATTTCTGCTCTTCTCCTCAGCCTGAGTTTCTTCTGACAGGA
 GGACCAGCCCAGGGAGCCTGCAGGACCCCACTGAAGTACCAATTCTTCTTTAGTCTTAAGTTTTTC
 CCATTCTAGACCCTACCCTTAGGCTGTGCTGCTCCTGGACTTATGCCTCTCCATTCTATTGCCTAC
 AATCTCTGTGCCCGAAGCCCCCTCCACTTCCACCCAGCCCTCCAGACATGCACCTTACCTTGACTTTA
 CCCACATGTTTGGGGCACCTGGGGCTCCCTCACCCCTTGGGTGGTTTGAATC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215953 representing NM_022462
 Red=Cloning site Green=Tags(s)

MRLTISYLRMHRLLCAAGEWNQVAGGPELDACYLKALEGFVAVLTAEGDMAYLSENVSKHLGLSLELIG
 HSIFDFIHPDQEELQDALTPQQTLRRKVEAPTERCFSLRMKSTLTSRGRLLNLKAATWKVNLNCSGHR
 AYKPPAQTSPAGSPDSEPPLQCLVLICEAIPHPGSLPEPLGRGAFLSRHSLDMKFYCDRIAEEVAGYSP
 DDLIGCSAYEYIHALDSDAVSKSIHTLLSKGQAVTGQYRFLARSGGYLWTQTQATVVSGGRGPQSEIVC
 VHFLISQVEETGVVLSLEQTEQHSRRPIQRGAPSQKDTNPNGDSLTPGPRILAFHPPSLSEAALAADP
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 DIAQDADALDLEMLAPYISMDDDFQLNASEQLPRAYHRPLGAVPRPRARSFHGLSPPALEPSLLPRWGS
 PRLSCSSPSRGPSPASSPMAGARKRTLQSSSEDEDEGVLLGVRPPKRSPEHENFLLFPLSLSFLLTG
 GPAPGSLQDPTLQFLLSVLFPILDPYPLGCAAPGLHASPFLPTISVPQNPLHFPQPSPRHALTLTL
 PHMFGAPGAPSPGLGFAI

TRTRPLE – GFP Tag – V

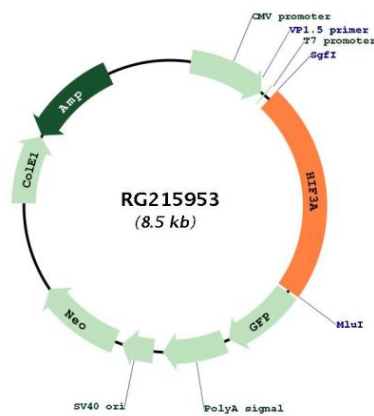
Cytogenetics: 19q13.32

Domains: PAS

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is the alpha-3 subunit of one of several alpha/beta-subunit heterodimeric transcription factors that regulate many adaptive responses to low oxygen tension (hypoxia). The alpha-3 subunit lacks the transactivation domain found in factors containing either the alpha-1 or alpha-2 subunits. It is thought that factors containing the alpha-3 subunit are negative regulators of hypoxia-inducible gene expression. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RG215953