

Product datasheet for **RG211348**

HGFAC (NM_001528) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HGFAC (NM_001528) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HGFAC
Synonyms:	HGFA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG211348 representing NM_001528
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGCGCTGGGCTGGGTCCCAGCCCCGCCCCACGGGGCTGGGCCCTTCTCTCTCTCTCTCC
 TGCTGCTGCTGCTGCTGCCACGGGGTTCCAGCCCCAGCCTGGCGGGAACCGTACGGAGTCCCCAGAACC
 TAATGCCACAGCGACCCCTGCGATCCCCACTATCTGGTGACCTCTGTGACCTCTGAGACCCAGCAACA
 AGTGCTCCAGAGGCAGAGGGACCCAAAGTGGGGGGCTCCCGCCCCGCCAGGGCAGTTCCTCGAGCA
 GTAGCCCCAGGCCAAGCACTACCGAGGACGGGAGGCCCTGCAGGTTCCCTTCCGCTACGGGGGCCG
 CATGCTGCATGCCTGCACTTCGGAGGGCAGTGACACAGGAAGTGGTGTGCCACAACCTACAACCTACGAC
 CGGGACAGGGCCTGGGGCTACTGTGTGGAGGCCACCCCGCTCCAGGGGGCCAGCTGCCCTGGATCCCT
 GTGCCCTCCGGCCCTGCCTCAATGGAGGCTCCTGCTCCAATACCCAGGACCCCCAGTCTATCACTGCAG
 CTGCCCCCGGGCCTTACCGGCAAGGACTGCGGCACAGAGAAATGCTTTGATGAGACACGCTACGAGTAC
 CTGGAGGGGGGCGACCGCTGGGCCCGCGTGCGCCAGGGCCACGTGGAACAGTGCAGTGTGGGGGGCC
 GGACCTGGTGCAGAGGCACCCGACATACAGCTTGTCTGAGCAGCCCTTGCTGAACGGGGGCACCTGCCA
 CCTGATCGTGGCCACCGGACCACCGTGTGTGCCCTGCCACCAGGCTTCGCTGGACGGCTCTGCAACATC
 GAGCCTGATGAGCGCTGCTTCTGGGGAACGGCACTGGGTACCGTGGCGTGGCCAGCACCTCAGCCTCGG
 GCCTCAGCTGCCTGGCCTGGAATCCGATCTGCTCTACCAGGAGTGCACGTGGACTCCGTGGGCGCCGC
 GGCCCTGCTGGGCTGGGCCCCATGCCTACTGCCGGAATCCGGACAATGACGAGAGGGCCCTGGTGTCTAC
 GTGGTGAAGGACAGCGCGCTCTCCTGGGAGTACTGCCGCCTGGAGCCTGCGAATCCCTCACCAGAGTCC
 AACTGTACCCGGATCTCCTGGCGACCTGCCTGAGCCAGCCTCCCGGGGGCCAGGCCTGCGGCAGGAG
 GCACAAGAAGAGGACGTTCTCCTGCGGCCACGTATCATCGGCGGCTCCTCCTCGCTGCCCGGCTCGCACCCC
 TGGCTGGCCGCCATCTACATCGGGGACAGCTTCTGCGCCGGGAGCCTGGTCCACACCTGCTGGTGGTGT
 CGGCCGCCACTGCTTCTCCACAGCCCCCAGGGACAGCGTCTCCGTGGTGTGGGCCAGCACTTCTT
 CAACCCGACGACGGACGTGACGCAGACCTTCGGCATCGAGAAGTACATCCCGTACACCCTGTACTCGGTG
 TTCAACCCGACGACGACGACCTCGTCTGATCCGGCTGAAGAAGAAAGGGGACCCTGTGCCACACGCT
 CGCAGTTCGTGCAGCCATCTGCCTGCCGAGCCCGGACACCTTCCCCGAGGACACAAGTGCCAGAT
 TCGGGGCTGGGGCCACTGGATGAGAACGTGAGCGGCTACTCCAGCTCCCTGCGGGAGGCCCTGGTCCCC
 CTGGTCCCGGACCACAAGTGCAGCAGCCCTGAGGTCTACGGCGCCGACATCAGCCCCAACATGCTCTGTG
 CCGGCTACTTCGACTGCAAGTCCGACGCTGCCAGGGGGACTCAGGGGGGCCCTGGCCTGCGAGAAGAA
 CGGCGTGGCTTACCTCTACGGCATCATAGCTGGGGTACGGGCTGCGGGCGGCTCCACAAGCCGGGGGTC
 TACACCCGCTGGCCAACTATGTGGACTGGATCAACGACCCGGATACGGCCTCCAGGCGGCTTGTGGCTC
 CCTCC

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG211348 representing NM_001528
Red=Cloning site Green=Tags(s)

MGRWAWVPSPWPPGLGPFLLLLLLLLLPRGFQPQGGNRTESPEPNATATPAIPTILVTSVTSETPAT
 SAPEAEGPQSGGLPPPRAVPSSSSPQAQALTEDGRPCRFPFRYGGRLHACTSEGSAHRKWCATTHNYD
 RDRAWGYCVEATPPPGGPAALDPCASGPNLGGSCSNTQDPQSYHCSCPRAFTGKDCGTEKCFDETRYEY
 LEGGDRWARVRQGHVEQCECLGGRTWCEGTRHTACLSSPCLNGGTCHLIVATGTTVCACPPGFAGRLCNI
 EPDERCFLGNGTGYRGVASTSASGLSCLAWNSDLLYQELHVDSVGAALLGLGPHAYCRNPDNDERPWCY
 VVKDSALSWEYCRLEACESTRVQLSPDLLATLPEPASPGRQACGRRHKRTRFLRPRIIGSSSLPGSHP
 WLAAIYIGDSFCAGSLVHTCWVYSAAHCFSHSPRDSVSVVLGQHFFNRRTDVTQTFGIEKYIPYTLYSV
 FNPSDHDVLIRLKKKGDRCATRSQFVQPICLPEPGSTFPAGHKCQIAGWGHLDENVSGYSSSLREALVP
 LVADHKCSSPEVYGADISPMLCAGYFDCKSDACQGDSSGGLPLACEKNGVAYLYGIISWGDGCGRLHKPGV
 YTRVANYVDWINDRIRPPRRLVAPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001528

ORF Size: 1965 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001528.2](#), [NP_001519.1](#)

RefSeq Size: 2038 bp

RefSeq ORF: 1968 bp

Locus ID: 3083

UniProt ID: [Q04756](#)

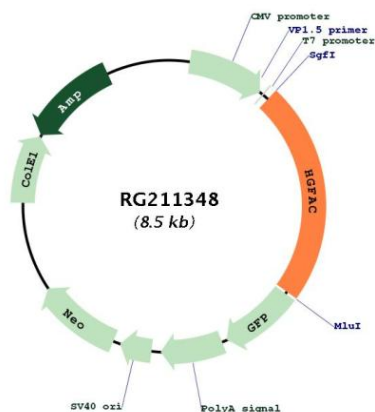
Cytogenetics: 4p16.3

Domains: KR, FN1, FN2, Tryp_SpC, EGF, EGF

Protein Families: Druggable Genome, Protease, Secreted Protein, Transmembrane

Gene Summary: This gene encodes a member of the peptidase S1 protein family. The encoded protein is first synthesized as an inactive single-chain precursor before being activated to a heterodimeric form by endoproteolytic processing. It acts as serine protease that converts hepatocyte growth factor to the active form. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG211348