

Product datasheet for **RG200912**

CHAC1 (NM_024111) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHAC1 (NM_024111) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CHAC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200912 representing NM_024111
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCAGGAGTCTGCAGCCCCGAACACCCCGCCACCTCGCAGTCCCCTACGCCGTCCGCTCAGTTCC
 CCCGAAACGACGGCGACCCTCAAGCGCTGTGGATTTTCGGGTACGGCTCCCTGGTGTGGAGGCCGACTT
 CGCCTACAGCGACAGCCGTGTGGCTTCGTGCGCGGTACAGCCGCCGTTTCTGGCAGGGAGACACCTTC
 CATCGGGCAGCGACAAGATGCCTGGCCGTGTGGTGACGCTCCTGAAGATCATGAGGGCTGCACCTGGG
 GCGTGGCATAACCAAGTGCAAGGGGAGCAGTAAGCAAGGCCCTGAAGTACCTGAATGTGCGAGAGGCAGT
 GCTTGGTGCTACGATACCAAGGAGGTACCTTCTATCCCCAAGATGCTCCTGACCAACCACTGAAGGCA
 TTGGCCTATGTGGCCACCCACAGAACCCTGGTTACCTGGGCCCTGCGCCTGAAGAGGCCATTGCCACGC
 AGATCCTGGCCTGCCGGGCTTCTCCGGCCACAACCTTGAATACTTGCTGCGTCTGGCAGACTTCATGCA
 GCTCTGTGGCCCTCAGGCGCAGGACGAGCACCTGGCAGCCATCGTGGACGCTGTGGGCACCATGTTGCC
 TGCTTCTGCCACCCAGCAGGCTCTGGCGTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200912 representing NM_024111
 Red=Cloning site Green=Tags(s)

MKQESAAPNTPPTSQSPTPSAQFPRNDGDPQALWIFGYGSLVWRPDFAYSDSRVGFVRGYSRRFWQGDTF
 HRGSDKMPGRVVTLLLEDHEGCTWGVAYVQVQGEQVSKALKYLNVREAVLGGYDTKEVTFYPQDAPDQPLKA
 LAYVATPQNPGYLGPAPEEAIATQILACRFGSGHNLEYLLRLADFMQLCGPQAQDEHLAAIVDAVGTMLP
 CFCPTEQALALV

TRTRPLE - GFP Tag - V

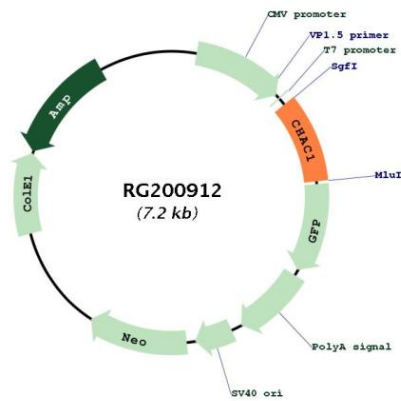


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RefSeq: [NM_024111.6](#)
 RefSeq Size: 1519 bp
 RefSeq ORF: 669 bp
 Locus ID: 79094
 UniProt ID: [Q9BUX1](#)
 Cytogenetics: 15q15.1
 Domains: ChaC

Gene Summary: This gene encodes a member of the gamma-glutamylcyclotransferase family of proteins. The encoded protein has been shown to promote neuronal differentiation by deglycosylation of the Notch receptor, which prevents receptor maturation and inhibits Notch signaling. This protein may also play a role in the unfolded protein response, and in regulation of glutathione levels and oxidative balance in the cell. Elevated expression of this gene may indicate increased risk of cancer recurrence among breast and ovarian cancer patients. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG200912