

Product datasheet for RC208374

ZNF322A (ZNF322) (NM_024639) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF322A (ZNF322) (NM_024639) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF322A
Synonyms:	HCG12; ZNF322A; ZNF388; ZNF489
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208374 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACACTTCAGAAGAGAAATGTAATCAGAGAACTCAAAAAGGAAAATATATAATGTATGCCCTCGGA
AGGGTAAAAAGATTTTTATTCATATGCATGAGATTATTCAGATAGATGGTCATATATACCAGTGCCTTGA
ATGCAAGCAAACTTCTGTGAAAACCTTAGCTCTTATTATGTGTGAGAGAACCATACTGGGAGAAAACCT
TATAAATGTGATATGTGTGAGAAAACCTTTGTCCAAAGCTCAGATCTTACTTCACACCAGAGGATCCACA
ATTACGAGAAACCTTATAAATGTAGCAAATGTGAGAAGAGCTTTTGGCATCACTTAGCGCTTTCAGGACA
TCAGAGAACACATGCAGGTAATAAATCTATACATGTGACATTTGTGGCAAGAATTTGGTCAGAGTTCT
GATCTGCTTGTCCACCAGCGAAGCCATACTGGCGAGAAACCATATCTATGTAGTGAGTGACAAATGCT
TCAGTAGAAGTACAAACCTCATAAGGCATCGAAGAACTCACACAGGTGAGAAACCATTTAAGTGTCTCGA
GTGTGAAAAGCTTTTAGTGGGAAATCAGATCTTATTAGCCACCAGAGAACTCACACTGGGGAAAGGCC
TACAAATGTAATAAGTGTGAGAAAAGTTACCGACACCGTTCAGCCTTCATTGTACATAAAAGAGTTCATA
CTGGGAGAAAGCCCTATAAGTGTGGTGCCTGTGAAAAATGCTTTGGCCAGAAATCAGACCTTATCGTGCA
CCAGAGAGTCCACACAGGTGAGAAGCCGTATAAATGCCTGGAATGTATGAGAAGTTTACTCGGAGTGCC
AACCTAATTAGGCACCAGGCAACTCACACTCACACTTTTAAATGCCTTGAATATGAAAAAGCTTTAACT
GTAGTCAGATCTTATTGTACATCAGAGAATTCACATGGAAGAGAAACCACATCAGTGGTCTGCGTGTGA
GAGTGGCTTCTCCTAGGAATGGACTTTGTTGCCCAACAGAAAATGAGAAGTCAAACAGAGGAGCTACAC
TATAAATACACTGTATGTGATAAAAGCTTCCACCAGAGTTCAGCCCTTCTTCAACATCAGACAGTACACA
TTGGTAAAAACCGTTTGTCTGTAAATGTGAGTAAAAAGGTCTTGGAGCTTAGCCCTCCCATGCGTCAGA
AGCCTCACAGATGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208374 protein sequence
Red=Cloning site Green=Tags(s)

MYTSEEKCNQRTQKRKIYVNCPRKGKKIFIHMEIIQIDGHIYQCLECKQNFENLALIMCERTHTGEKP
 YKCDMCEKTFVQSSDLTSHQRIHNYEKPYKCSKCEKSFWHHLALSGHQRTHAGKKFYTCIDCGKNFGQSS
 DLLVHQRSHTGEKPYLCSECDKCF SRSTNLIRHRRHTHTGEKPFKCLECEKAFSGKSDLISHQRTHTGERP
 YKCNKCEKSYRHRSAFIVHKRVHTGEKPYKCGACEKCFGQKSDLIVHQRVHTGEKPYKCLECMRSFTRSA
 NLIRHQATHHTFKCLEYEKSFNCSSDLIVHQRIHMEEKPHQWSACESGFLLGMDFVAQQKMRTQTEELH
 YKYTVCDKSFHQSSALLQHQT VHI GEKPFVCNVSEKGLELSPPHASEASQMS

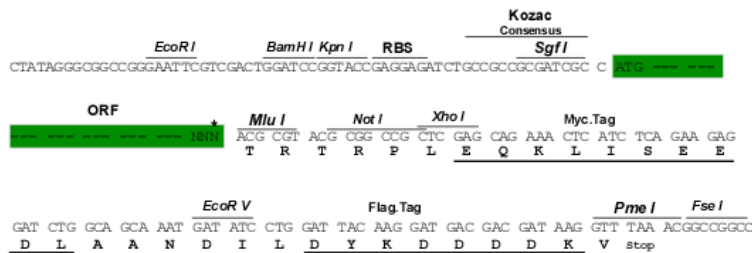
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6350_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024639

ORF Size: 1206 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_024639.5](#)

RefSeq Size: 4817 bp

RefSeq ORF: 1209 bp

Locus ID: 79692

UniProt ID: [Q6U7Q0](#)

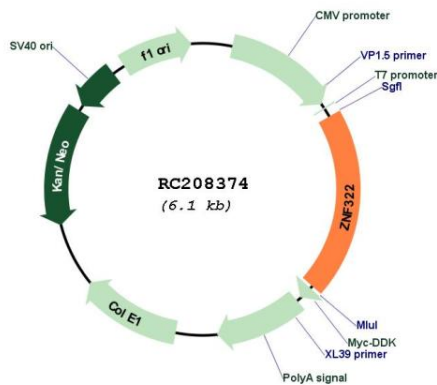
Cytogenetics: 6p22.2

Domains: zf-C2H2

MW: 46.9 kDa

Gene Summary: ZNF322A is a member of the zinc-finger transcription factor family and may regulate transcriptional activation in MAPK (see MAPK1; MIM 176948) signaling pathways (Li et al., 2004 [PubMed 1555580]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC208374