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Product datasheet for RG208374

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:	TurboGFP
Symbol:	ZNF322A
Synonyms:	HCG12; ZNF322A; ZNF388; ZNF489
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG208374 representing NM_024639
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACACTTCAGAAGAGAAATGTAATCAGAGAACTCAAAAAAGGAAAATATATAATGTATGCCCTCGGA
AGGGTAAAAAGATTTTTATTCATATGCATGAGATTATTCAGATAGATGGTCATATATACCAGTGCCTTGA
ATGCAAGCAAAACTTCTGTGAAAACTTAGCTCTTATTATGTGTGAGAGAACCCATACTGGGGAGAAACCT
TATAAATGTGATATGTGTGAGAAAACCTTTGTCCAAAGCTCAGATCTTACTTCACACCAGAGGATCCACA
ATTACGAGAAACCTTATAAATGTAGCAAATGTGAGAAGAGCTTTTGGCATCACTTAGCGCTTTCAGGACA
TCAGAGAACACATGCAGGTAAAAAATTCTATACATGTGACATTTGTGGCAAGAATTTTGGTCAGAGTTCT
GATCTGCTTGTCCACCAGCGAAGCCATACTGGCGAGAAACCATATCTATGTAGTGAGTGTGACAAATGCT
TCAGTAGAAGTACAAACCTCATAAGGCATCGAAGAACTCACACAGGTGAGAAACCATTTAAGTGTCTCGA
GTGTGAAAAAGCTTTTAGTGGGAAATCAGATCTTATTAGCCACCAGAGAACTCACACTGGGGAAAGGCCC
TACAAATGTAATAAGTGTGAGAAAAGTTACCGACACCGTTCAGCCTTCATTGTACATAAAAGAGTTCATA
CTGGGGAGAAGCCCTATAAGTGTGGTGCCTGTGAAAAATGCTTTGGCCAGAAATCAGACCTTATCGTGCA
CCAGAGAGTCCACACAGGTGAGAAGCCGTATAAATGCCTGGAATGTATGAGAAGTTTTACTCGGAGTGCC
AACCTAATTAGGCACCAGGCAACTCACACTCACACTTTTAAATGCCTTGAATATGAAAAAAGCTTTAACT
GTAGCTCAGATCTTATTGTACATCAGAGAATTCACATGGAAGAGAAACCACATCAGTGGTCTGCGTGTGA
GAGTGGCTTCCTCCTAGGAATGGACTTTGTTGCCCAACAGAAAATGAGAACTCAAACAGAGGAGCTACAC
TATAAATACACTGTATGTGATAAAAGCTTCCACCAGAGTTCAGCCCTTCTTCAACATCAGACAGTACACA
TTGGTGAAAAACCGTTTGTCTGTAATGTGAGTGAAAAAGGTCTTGAGCTTAGCCCTCCCCATGCGTCAGA
AGCCTCACAGATGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

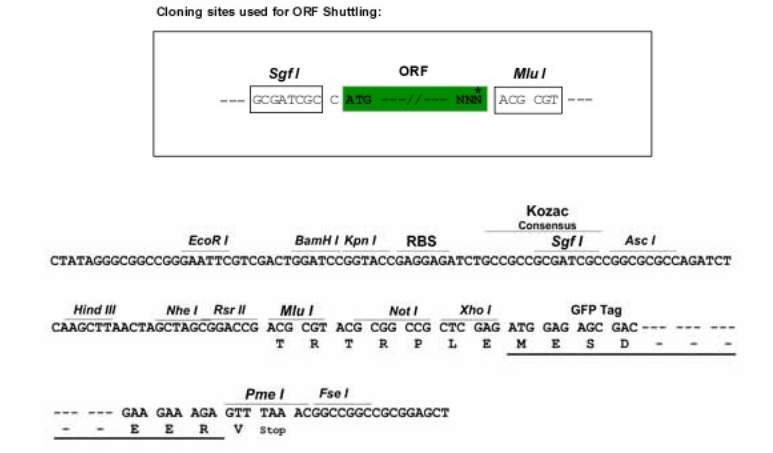
>RG208374 representing NM_024639
Red=Cloning site Green=Tags(s)

MYTSEEKCNQRTQKRKIYNVCPRKGKKIFIHMHEIIQIDGHIYQCLECKQNFCENLALIMCERTHTGEKP
YKCDMCEKTFVQSSDLTSHQRIHNYEKPYKCSKCEKSFWHHLALSGHQRTHAGKKFYTCDICGKNFGQSS
DLLVHQRSHTGEKPYLCSECDKCFSRSTNLIRHRRTHTGEKPFKCLECEKAFSGKSDLISHQRTHTGERP
YKCNKCEKSYRHRSAFIVHKRVHTGEKPYKCGACEKCFGQKSDLIVHQRVHTGEKPYKCLECMRSFTRSA
NLIRHQATHTHTFKCLEYEKSFNCSSDLIVHQRIHMEEKPHQWSACESGFLLGMDFVAQQKMRTQTEELH
YKYTVCDKSFHQSSALLQHQTVHIGEKPFVCNVSEKGLELSPPHASEASQMS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_024639.5

RefSeq Size: 2716 bp

RefSeq ORF: 1209 bp

Locus ID: 79692

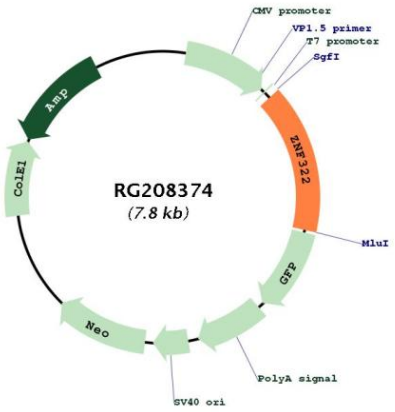
UniProt ID: Q6U7Q0

Cytogenetics: 6p22.2

Domains: zf-C2H2

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 15555580]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG208374