

Product datasheet for **RG234001**

SAM68 (KHDRBS1) (NM_001271878) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SAM68 (KHDRBS1) (NM_001271878) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SAM68
Synonyms: p62; p68; Sam68
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG234001 representing NM_001271878
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCGCCGGGACGACCCCGCCGCGCATGAGCCGGTCTTCGGGCCGTAGCGGCTCCATGGACCCCT
 CCGGTGCCACCCTCGGTGCGTCAGACGCCGTCTCGGCAGCCGCGCTGCCTCACCGGTCCCGGGGAGG
 CGGAGGGGATCCCGGGGGCGCCGGGCTCGCCGCCACGCAGCCGCCACCGCTGCTGCCGCCCTCG
 GCCACGGTCCCGACGCGACAGTGGCGGGCCAGCGCCGACCCCGCTGCTGCCCCCTCGGCCACAGCT
 CGGTCAAGATGGAGCCAGAGAACAAGTACCTGCCGAACATCATGGCCGAGAAGGACTCGTCGACCCGTC
 TTCACTCAGCCATGCAGCTGCTGACGGCAGAAATTGAGAAGATTCAGAAAGGAGACTCAAAAAAGGAT
 GATGAGGAGAATTAATTGGATTTATTTTCTCATAAGAACATGAAACTGAAAGAGCGAGTGTGATACCTG
 TCAAGCAGTATCCAAGGAGGAAGAGCTGCGCAAAGGTGGAGACCCCAAATATGCCACTTGAATATGGA
 TCTGCATGTCTTATTGAAGTCTTTGGACCCCATGTGAGGCTTATGCTCTTATGGCCATGCCATGGAG
 GAAGTCAAGAAATTTCTAGTACCGGATATGATGGATGATATCTGTGAGGCAATTTCTAGAGCTGTCT
 ACTTGAATGGAGTACCTGAACCTCTCGTGGACGTGGGGTCCAGTGAGAGGCCGGGGAGCTGCACCTCC
 TCCACCACCTGTTCCAGGGGCCGTGGTGTGGACCACCTCGGGGGCTTTGGTACGTGGTACACCAGTA
 AGGGGACCATCACCAGAGGTGCCACTGTGACTCGAGGCGTGCCACCCCACTACTGTGAGGGGTGCTC
 CAGCACCAAGAGCACGGACAGCGGCATCCAGAGGATACCTTTGCCTCCACCTCCTGCACCAAGAACATA
 TGAAGAATATGGATATGATGATACATACGAGAACAAGTTACGAAGGCTACGAAGGCTATTACAGCCAG
 AGTCAAGGGGACTCAGAAATTATGACTATGGACATGGGGAGGTTCAAGATTCTTATGAAGCTTATGGCC
 AGGACGACTGGAATGGGACCAGGCCGTCGCTGAAGGCCCTCCTGCTAGGCCAGTGAAGGGAGCATAACAG
 AGAGCACCCATATGGACGTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG234001 representing NM_001271878
Red=Cloning site Green=Tags(s)

MQRRDDPAARMSRSSGRSGSMDPSGAHPSVRQTPSRQPPLPHRSRGGGGGSRGGARASPATQPPPLPPS
 ATGPDATVGGPAPTPLLPPSATASVKMEPENKYLPELMAEKDSLDPSTHAMQLLTAEIEKIQKGDSSKD
 DEENYLDLFSHKNMKLKERVLI PVKQYPKEEELRKGDPKYAHLNMDLHVFI EVFGPPCEAYALMAHAME
 EVKKFLVPDMMDDICQEQFLELSYLNQVPEPSRGRGVPVVRGGAAPPPPPVPRGRGVGPPRGALVRGTPV
 RGAITRGATVTRGVPPPTVRGAPAPRARTAGIQRIPLPPPAPETYEEYGYDDTYAEQSYEGYEGYYSQ
 SQGDSEYYDYGHGEVQDSYEAYGQDDWNGTRPSLKAPPARPVKGAYREHPYGRY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271878

ORF Size: 1212 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_001271878.2](#)

RefSeq Size: 2790 bp

RefSeq ORF: 1215 bp

Locus ID: 10657

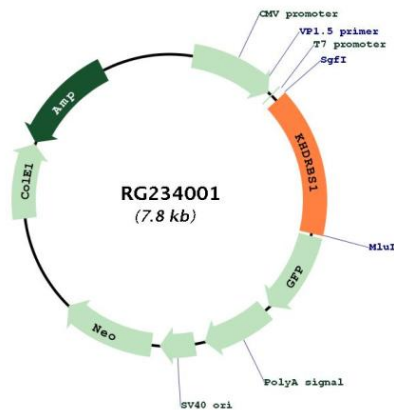
UniProt ID: [Q07666](#)

Cytogenetics: 1p35.2

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the K homology domain-containing, RNA-binding, signal transduction-associated protein family. The encoded protein appears to have many functions and may be involved in a variety of cellular processes, including alternative splicing, cell cycle regulation, RNA 3'-end formation, tumorigenesis, and regulation of human immunodeficiency virus gene expression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]

Product images:



Circular map for RG234001