

Product datasheet for **RG200263**

SAM68 (KHDRBS1) (NM_006559) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAM68 (KHDRBS1) (NM_006559) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KHDRBS1
Synonyms:	p62; p68; Sam68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200263 representing NM_006559 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCGCCGGGACGACCCCGCCGCGCATGAGCCGGTCTTCGGGCCGTAGCGGCTCCATGGACCCCT
CCGGTGCCACCCCTCGGTGCGTCAGACGCCGTCTCGGCAGCCGCGCTGCCTCACCGTCCCGGGGAGG
CGGAGGGGATCCCGGGGGCGCCGGGCTCGCCGCCACGCAGCCGCCACCGCTGCTGCCGCCCTCG
GCCACGGTCCCGACGCGACAGTGGCGGGCCAGCGCCGACCCCGCTGCTGCCCCCTCGCCACAGCCT
CGGTCAAGATGGAGCCAGAGAACAAGTACCTGCCGAACATCATGGCCGAGAAGGACTCGTCGACCCGTC
CTTCACTACGCCATGCAGCTGCTGACGGCAGAAATTGAGAAGATTCAGAAAGGAGACTCAAAAAGGAT
GATGAGGAGAATTAATTGGATTTATTTTCTCATAAGAACATGAAACTGAAAGAGCGAGTGTGATACCTG
TCAAGCAGTATCCCAAGTTCAATTTTGTGGGAAGATTCTTGGACCACAAGGGAATAAATCAAAAGACT
GCAGGAAGAGACTGGTGCAAAGATCTCTGTATTGGAAAGGGCTCAATGAGAGACAAAGCCAAGGAGGAA
GAGCTGCGCAAAGGTGGAGACCCCAATATGCCCACTTGAATATGGATCTGCATGTCTTCAATTGAAGTCT
TTGGACCCCATGTGAGGCTTATGCTCTTATGGCCATGCCATGGAGGAAGTCAAGAAATTTCTAGTACC
GGATATGATGGATGATATCTGTCTAGGAGCAATTTCTAGAGCTGTCTACTTGAATGGAGTACCTGAACCC
TCTCGTGGACGTGGGGTCCAGTGAGAGCCGGGAGCTGCACCTCCTCCACCCTGTTCCAGGGGCC
GTGGTGTGGACCACCTCGGGGGCTTTGGTACGTGGTACACCAGTAAGGGGAGCCATCACCAGAGGTGC
CACTGTGACTCGAGGCGTGCCACCCCACTACTGTGAGGGGTGCTCCAGCACCAGAGCACGGACAGCG
GGCATCCAGAGGATACCTTTGCCTCCACCTCCTGCACCAGAAACATATGAAGAATATGGATATGATGATA
CATACGCAGAACAAAGTTACGAAGGCTACGAAGGCTATTACAGCCAGAGTCAAGGGGACTCAGAATATTA
TGACTATGGACATGGGGAGGTTCAAGATTCTTATGAAGCTTATGGCCAGGACGACTGGAATGGGACCAGG
CCGTCGCTGAAGGCCCTCCTGCTAGGCCAGTGAAGGGAGCATACAGAGACCCCATATGGACGTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200263 representing NM_006559
 Red=Cloning site Green=Tags(s)

MQRRDDPAARMSRSSGRSGSMDPSSGAHPSVRQTPSRQPPLPHRSRGGGGGSRGGARASPATQPPPLPPS
 ATGPDATVGGPAPTPLLPPSATASVKMEPENKYLPELMAEKDSLDPSTHAMQLLTAEIEKIQKGDSSKD
 DEENYLDLFSHKNMKLERVLIIPVKQYPKFNFGKILGPQGNTIKRLQEETGAKISVLGKGSMDKAKKEE
 ELRKGGDPKYAHLNMDLHVFIIEVFGPPCEAYALMAHAMEEVKKFLVPDMMDDICQEQFLELSYLNQVPEP
 SRGRGVPVRGGAAPPPVPRGRGVGPPRGALVRGTPVRGAI TRGATVTRGVPPPPTVRGAPAPRARTA
 GIQRIPLPPPPAPETYEYGYDDTYAEQSYEGYEGYYSQSQDSEYYDYGHGEVQDSYEAYGQDDWNGTR
 PSLKAPPARPVKGAYREHPYGRY

TRTRPLE - GFP Tag - V

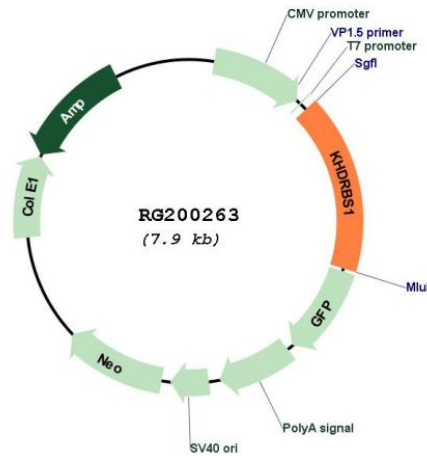
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_006559

ORF Size:	1329 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:	<ol style="list-style-type: none">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_006559.3
RefSeq Size:	2685 bp
RefSeq ORF:	1332 bp
Locus ID:	10657
UniProt ID:	Q07666
Cytogenetics:	1p35.2
Domains:	KH
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]