

Product datasheet for MR223866

Stab2 (NM_138673) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stab2 (NM_138673) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stab2
Synonyms:	FEEL-2; FELL; MFEEL-2; STAB-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223866 representing NM_138673 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGCAAGGAGCAAGCTTCTCCTCGGCAAGCTGCTGCCTTAAATCCTCATCTTCTGGGGTTGCTTGTC
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AATGGCACTGTCGGGGTTCGAGATTGCAGGTATTCGCTTAAAATCCAGTCTACGTCCTGGATATCCCTG
GATGCCGCCATATCTGTAGGAAGGATTACCTGCAACCTCAATGTTGTCCAGGACACTGGGGCCAGACTG
CATGGAGTGTCCAGGAGGAGCAAGGGCACCGTGTGGTGGCAGGGGTGTTGTGATGAAGGCATGGAAGGA
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GTGCAAATTATCCAGGGGAACATAGTTGCTTCAAATGGGCTTGTGCATATCCTCGACAGAGCGATGGACA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR223866 representing NM_138673
 Red=Cloning site Green=Tags(s)

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 TGSCSCRAGFRGTACENCAAEDVFGPNC SAVCSVHGVCNSGISGDGTCECL SAYRGRCDKPIPECAAL
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 GQILANNVAVDETEVAANKGRIYTLTGVLIPPSILPILPHRCNETKREMKGTCVRCFMKNWSKCPTNSE
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 GPNQAVCNCLPKYTG DGK VCTLIN VCLTNNGGCSPFAFCNHTEQDQRTCTCKPDYTG DGI VCRGSIHSEL
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 LK VITSATTLQGEPI SISVSQD TVL INKKAKV LSSDII STNGVIHV IDTLLSPQNLLITPKGASGRVLLN
 LTTVAANHGYTKF SKLIQDSGLLKVITDPMHTPVTLFWPTD KALQALPQEQQDFLFNEDNKDKL KAYLKF
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 VGDGFSCNGNLLQVLMSPSLTNFLTEVLVFSRSSAQGRAFLKHLTDL S ISGTLFVPQNSGLPKNKSLSG
 RDIEHHL TNVNVSYFDDL VNGTVL KTRLGSQLLITSSQDQLHQEARFVDGRAILQWDIIASNGVLHIISE
 PLKAPPTAATAAHSGLGTGIFCAVVLVTGAI ALAAYS YFRLNQR TTGFRRFESEDDIDALAF GKQPESI
 TNPLYETSTPAAPEPSCDPFTDSGERELENSDPLGALRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9010_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_138673

ORF Size: 7677 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_138673.2](#), [NP_619614.1](#)

RefSeq Size: 8152 bp

RefSeq ORF: 7680 bp

Locus ID: 192188

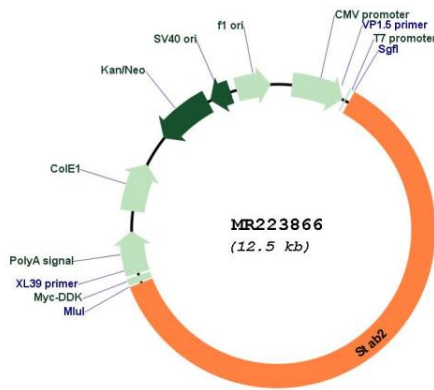
UniProt ID: [Q8R4U0](#)

Cytogenetics: 10 C1

MW: 278 kDa

Gene Summary: Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Hyaluronan receptor that binds to and mediates endocytosis of hyaluronic acid (HA). Acts also, in different species, as a primary systemic scavenger receptor for heparin (Hep), chondroitin sulfate (CS), dermatan sulfate (DS), nonglycosaminoglycan (GAG), acetylated low-density lipoprotein (AcLDL), pro-collagen propeptides and advanced glycation end products (AGE). May serve to maintain tissue integrity by supporting extracellular matrix turnover or it may contribute to maintaining fluidity of bodily liquids by resorption of hyaluronan. Counter receptor which plays an important role in lymphocyte recruitment in the hepatic vasculature. Binds to both Gram-positive and Gram-negative bacteria and may play a role in defense against bacterial infection. The proteolytically processed short form also functions as an endocytosis receptor for heparin internalisation as well as HA and CS.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223866