

Product datasheet for **RR201849**

Asgr1 (NM_012503) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asgr1 (NM_012503) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asgr1
Synonyms:	ASGR; RATRHL1; RHL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201849 representing NM_012503 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACAAAGGATTATCAAGATTTCCAGCACTTGGACAATGAGAACGACCACCATCAACTCCAGAGAGGGC
CACCTCCCGCTCCAAGGCTCTTGACGCACTCTGCTCTGGATTCCGTCTTCTCTGCTTTCCCTGGGCT
CAGCATCCTGCTGCTGGTGGTTGTCTGTGTGATCACATCCAAAATTCCCAACTCCGGGAAGATCTGCGG
GTTCTAAGGCAGAATTTAGCAACTTTACCGTGAGCACTGAGGACCAGGTCAAGGCCCTGACCACCCAGG
GAGAGAGAGTGGGAAGAAAGATGAAGTTAGTCGAGTCACAGCTGGAAAAACATCAGGAGGATCTGAGGGA
AGACCACTCTAGATTGCTACTGCATGTAAAGCAGTTAGTGTCTGACGTGCGAAGCTTGAGCTGCCAGATG
GCCGCACTTCGGGGCAATGGCTCTGAAAGGATCTGCTGCCCCATCAACTGGGTGGAGTATGAAGGCAGCT
GCTACTGGTTCTCCAGCTCTGTGAAGCCTTGGACGGAAGCTGACAAGTACTGCCAGCTGGAGAACGCCCA
CCTGGTGGTGGTGAATTCCTGGGAGGAGCAGAGATTCTGCCAGCAACACATGGGCCCTTAAATACTTGG
ATTGGCCTAACTGACCAGAACGGACCTGGAAATGGGTGGATGGGACAGACTATGAGACAGGCTTCAAGA
ACTGGAGACCAGGGCAGCCAGATGACTGGTACGGACATGGGCTTGGAGGGGGTGAAGACTGTGCCCACTT
CACCACCGATGGCCACTGGAATGATGACGTCTGCAGGAGGCCCTACCGCTGGGTCTGTGAGACAGAGTTG
GGCAAGGCCAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201849 representing NM_012503
 Red=Cloning site Green=Tags(s)

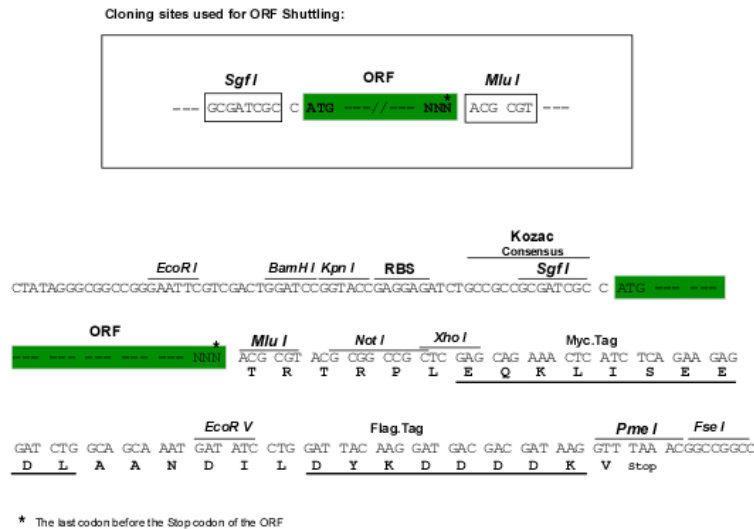
MTKDYQDFQHLDNENDHHQLQRGPPAPRLLQRLCSGFRLFLSLGLSILLVVCVITSQNSQLREDLR
 VLRQNF SNFTVSTEDQVKALTTQGERVGRKMKLVESQLEKHQEDLREDHSRLLLHVKQLVSDVRSLSQCM
 AALRGNGSERICCPINWVEYEGSCYWFSSSVKPWTEADKYCQLENAHLVVVTSWEEQRFVQQHMGPLNTW
 IGLTDQNGPWKWDGTDYETGFKNWRPGQPDWYGHGLGGGEDCAHFTTDGHWNDVCRPRYRWVCETEL
 GKAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2619_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012503

ORF Size: 852 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_012503.2](#), [NP_036635.1](#)

RefSeq Size: 1214 bp

RefSeq ORF: 855 bp

Locus ID: 24210

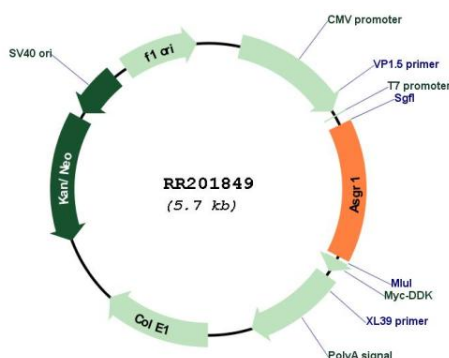
UniProt ID: [P02706](#)

Cytogenetics: 10q24

MW: 33.3 kDa

Gene Summary: acts as a hepatic glycoprotein receptor [RGD, Feb 2006]

Product images:



Circular map for RR201849