

## Product datasheet for **RC224550**

### Mammaglobin A (SCGB2A2) (NM\_002411) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mammaglobin A (SCGB2A2) (NM\_002411) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mammaglobin A  
**Synonyms:** MGB1; PSBP1; UGB2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC224550 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGTTGCTGATGGTCTCATGCTGGCGGCCCTCTCCAGCACTGCTACGCAGGCTCTGGCTGCCCT  
TATTGGAGAATGTGATTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAATTCTTCA  
AGAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTTAACCAAACG  
GATGAAACTCTGAGCAATGTTGAGGTGTTATGCAATTAATATATGACAGCAGTCTTTGTGATTTATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC224550 protein sequence  
Red=Cloning site Green=Tags(s)  
MKLLMVLMLAALSQHCYAGSGCPLENNVSKTINPQVSKTEYKELLQEFIDDNATTNAIDELKECFLNQT  
DETLNVEVFMQLIYDSSLCDLF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6440\\_g12.zip](https://cdn.origene.com/chromatograms/mk6440_g12.zip)

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_002411

**ORF Size:** 279 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\\_002411.4](#)

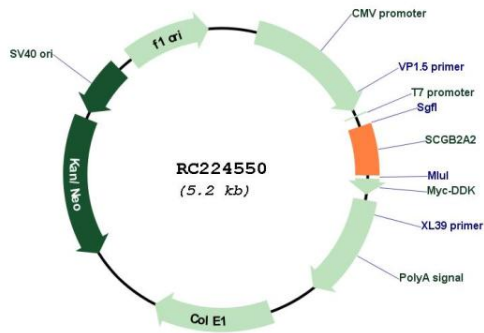
**RefSeq Size:** 517 bp

**RefSeq ORF:** 282 bp

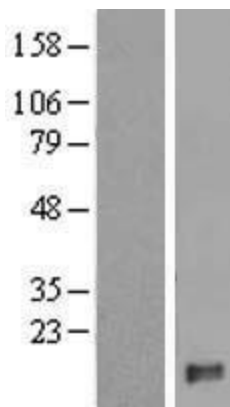
**Locus ID:** 4250

UniProt ID: [Q13296](#)  
 Cytogenetics: 11q12.3  
 MW: 10.5 kDa

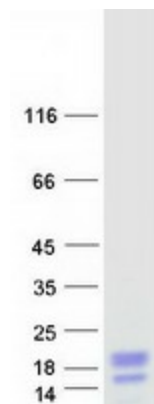
**Product images:**



Circular map for RC224550



Western blot validation of overexpression lysate (Cat# [LY419345]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224550 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SCGB2A2 protein (Cat# [TP324550]). The protein was produced from HEK293T cells transfected with SCGB2A2 cDNA clone (Cat# RC224550) using MegaTran 2.0 (Cat# [TT210002]).