

Product datasheet for RC214604L3

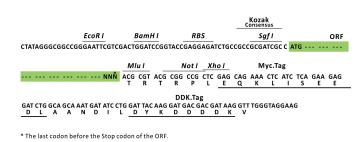
ARSB (NM_000046) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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| Product Type: | Expression Plasmids |
|------------------------------|---|
| Product Name: | ARSB (NM_000046) Human Tagged Lenti ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ARSB |
| Synonyms: | ASB; G4S; MPS6 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC214604). |
| Restriction Sites: | Sgfl-Mlul |
| Cloning Scheme: | Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GCC ATG NNŇ ACG CGT |



ACCN: ORF Size: NM_000046 1599 bp



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| GRIGENE ARSB (NM_000046) Human Tagged Lenti ORF Clone – RC214604L3 | |
|---|--|
| 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. <u>More info</u> |
| 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: | Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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: | <u>NM 000046.2</u> |
| RefSeq Size: | 6089 bp |
| RefSeq ORF: | 1602 bp |
| Locus ID: | 411 |
| UniProt ID: | <u>P15848</u> |
| Cytogenetics: | 5q14.1 |
| Domains: | Sulfatase |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Glycosaminoglycan degradation, Lysosome, Metabolic pathways |
| MW: | 59.69 kDa |
| Gene Summary: | Arylsulfatase B encoded by this gene belongs to the sulfatase family. The arylsulfatase B homodimer hydrolyzes sulfate groups of N-Acetyl-D-galactosamine, chondriotin sulfate, and dermatan sulfate. The protein is targeted to the lysozyme. Mucopolysaccharidosis type VI is an autosomal recessive lysosomal storage disorder resulting from a deficiency of arylsulfatase B. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2016] |

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