

Recombinant Human ARSG protein, GST-tagged

Cat. No. ARSG-865H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARSG full-length ORF (NP_055775.2, 1 a.a. - 525 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the sulfatase enzyme family. Sulfatases hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This protein displays arylsulfatase activity at acidic pH, as is typical of lysosomal sulfatases, and has been shown to localize in the lysosomes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]
Molecular Mass	83.5 kDa
AA Sequence	MGWLFLKVLLAGVSFSGFLYPLVDFCISGKTRGQKPNFVILADDMGWGDLGANWA ETKDTANLDKMASEGMRVDFHAAASTCSPSRASLLTGRLGLRNGVTRNFAVTSVG GLPLNETTLAEVLQQAGYVTGIIGKWHLGHHGSYHPNFRGFDYYFGIPYSHDMGCT DTPGYNHPPCPACPQGDGPSRNLQRDCYTDVALPLYENLNIVEQPVNLSLAQKYA EKATQFIQRASTSGRPFLLYVALAHMHVPLPVTQLPAAPRGRSLYGAGLWEMDSL VQGIKDKVDHTVKENTFLWFTGDNGPWAQKCELAGSVGPFTGFWQTRQGGSPAKQ TTWEGGHRVPALAYWPGRVPVNVSTALLSVLDIFPTVVALAQASLPQGRRFDGVD

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VSEVLFGRSQPGHRVLFHPNSGAAGEFGALQTVRLERYKAFYITGGARACDGSTGP
ELQHKFPLIFNLEDDTAEAVPLERGGAEYQAVLPEVRKVLADVLQDIANDNISSADYT
QDPSVTPCCNPYQIACRCQAA

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ARSG arylsulfatase G [Homo sapiens]

Official Symbol

ARSG

Synonyms

ARSG; arylsulfatase G; KIAA1001; ASG;

Gene ID

22901

mRNA Refseq

NM_014960

Protein Refseq

NP_055775

MIM

610008

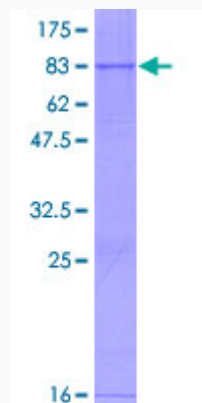
UniProt ID

Q96EG1

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12.5% SDS-PAGE Stained with Coomassie Blue.

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