

Recombinant Full Length Human ARSG Protein, GST-tagged

Cat. No. ARSG-1172HF **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	In Vitro Cell Free System
ProteinLength	525 amino acids
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	MGWLFLKVLL AGVSFSGFLY PLVDFCISGK TRGQKPNFVI ILADDMGWGD LGANWAETKD TANLDKMASE GMRFVDFHAA ASTCSPSRAS LLTGRLGLRN GVTRNFAVTS VGGLPLNETT LAEVLQQAGY VTGIIGKWHL GHHGSYHPNF RGFDDYYFGIP YSHDMGCTDT PGINHPPCPA CPQGDGPSRN LQRDCYTDVA LPLYENLNIV EQPVNLSSLA QKYAEKATQF IQRASTSGRP FLLYVALAHM HVPLPVTQLP AAPRGRSLYG AGLWEMDSLV GQIKDKVDHT VKENTFLWFT

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GDNGPWAQKC ELAGSVGPFT GFWQTRQGGG PAKQTTWEGG HRVPALAYWP
 GRVPVNVST ALLSVLDIFP TVVALAQASL PQGRRFDGVD VSEVLFGRSQ
 PGHRVLFHPN SGAAGEFGAL QTVRLERYKA FYITGGARAC DGSTGPELQH
 KFPLIFNLED DTAEAVPLER GGAEQAVLP EVRKVLADVL QDIANDNISS
 ADYTQDPSVT PCCNPYQIAC RCQAA

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

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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