

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 RGFDYYFGIP YSHDMGCTDT PGYNHPPCPA CPQGDGPSRN LQRDCYTDVA LPLYENLNIV EQPVNLSSLA QKYAEKATQF IQRASTSGRP FLLYVALAHM HVPLPVTQLP AAPRGRSLYG AGLWEMDSLV GQIKDKVDHT VKENTFLWFT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA