

Product information



ARSG, 17-525aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1885

Full name: Arylsulfatase G

NCBI Accession No.: NP_055775

Synonyms: Arylsulfatase G

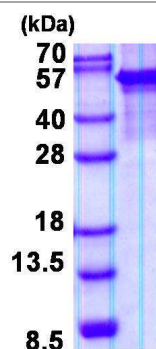
Description: ARSG belongs to the sulfatase enzyme family. Sulfatases hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This protein displays arylsulfatase 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. Recombinant human ARSG protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight: 57kDa (532aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSGFLYPLV DFCISGKTRG QKPNFVILLA DDMGWGDLGA NWAETKDTAN LDKMASEGMR FVDFHAAAST
CSPSRASLLT GRLGLRNGVT RNFAVTSVGG LPLNETTLAE VLQQAGYVTG IIGKWHLGHH GSYHPNFRGF DYYFGIPYSH DMGCTDTPGY
NHPPCPAC PQ GDGPSRNLQR DCYT DVALPL YENLNIVEQP VNLSSLAQKY AEKATQFIQR ASTSGRPFLL YVALAHMHVP LPVTQLPAAP
RGRSLYAGL WEMDSL VGQI KDKVDHTVKE NTLWF TGDN GPWAQKCELA GSVGPF TGFW QTRQGGSPAK QTTWEGGHRV PALAYWPGRV
PVNVTSTALL SVLDIFPTVV ALAQASLPQG RRFDGVDVSE VLFGRSQPGH RVL FHPNSGA AGEFGALQTV RLERYKAFYI TGGARACDGS
TGPELQHKFP LIFNLEDDTA EAVPLERGGA EYQAVLPEVR KVLADVLQDI ANDNISSADY TQDPSVTPCC NPYQIACRCQ AA

General references:

Frese MA, Schulz S, et al. (2008). *J Biol Chem.* 283(17):11388-95.

Hong KW, Go MJ, et al. (2010). *J Hum Hypertens.* 24(6):367-72.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com