

Recombinant Human ARSG cell lysate

Cat. No. ARSG-132HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Sulfatases, such as ARSG, 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 gene, a novel arylsulfatase, has activity toward pseudosubstrates including p-nitrocatechol sulfate and 4-methylumbelliferyl sulfate. Activity is competitively inhibited by phosphate. The unprocessed protein is active as a 63-kDa monomer and demonstrates an acidic pH optimum as typically seen for lysosomal sulfatases. The protein accumulates within lysosomes and is also a glycoprotein that binds specifically to mannose 6-phosphate receptors.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ARSG arylsulfatase G [Homo sapiens]
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 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



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
Chromosome Location	17q24
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	arylsulfatase activity; NOT arylsulfatase activity; arylsulfatase activity; hydrolase activity; metal ion binding;

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