Recombinant Human ARSG, GST-tagged

Cat. No. ARSG-9901H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARSG protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-300a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	ARSG arylsulfatase G [Homo sapiens]

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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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