

Recombinant Human ARSF, GST-tagged

Cat. No. ARSF-9900H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARSF protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	233-590a.a.
Description	This gene is a member of the sulfatase family, and more specifically, the arylsulfatase subfamily. Members of the subfamily share similarity in sequence and splice sites, and are clustered together on chromosome X, suggesting that they are derived from recent gene duplication events. Sulfatases are essential for the correct composition of bone and cartilage matrix. The activity of this protein, unlike that of arylsulfatase E, is not inhibited by warfarin. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	ARSF arylsulfatase F [Homo sapiens]
Official Symbol	ARSF
Synonyms	ARSF; arylsulfatase F; ASF;
Gene ID	416
mRNA Refseq	NM_001201538
Protein Refseq	NP_001188467
MIM	300003
UniProt ID	P54793
Chromosome Location	Xp22.3
Function	arylsulfatase activity; hydrolase activity; metal ion binding;