

Active Recombinant Mouse Arylsulfatase G, His-tagged

Cat. No. Arsg-574M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Arsg protein was expressed in Chinese Hamster Ovary cell line with a C-terminal 10-His tag. Gly17-Val525.
Species	Mouse
Source	CHO
Protein Length	17-525 a.a.
Description	Arsg is a member of the aryl sulfatase family of enzymes with a high degree of amino acid sequence similarity to ARSA and ARSB. Arsg mRNA is expressed in a ubiquitous manner, being detected in most adult and embryonic tissues of the mouse.
Form	Supplied as a 0.2 µm filtered solution in Tris and NaCl.
N-terminal Sequence	Gly17
Molecular Weight	57 kDa
Activity	Measured by its ability to hydrolyze the substrate 4-Nitro catechol Sulfate (PNCS). The specific activity is > 1,500 pmoles/min/µg, as measured under the described conditions.
Endotoxin Level	< 1.0 EU per 1 µg of the protein by the LAL method.

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SDS-PAGE	65 kDa, reducing conditions.
Purity	> 95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70°C as supplied. 3 months, -20 to -70°C under sterile conditions after opening.

GENE INFORMATION

Gene Name	Arsg arylsulfatase G [Mus musculus]
Official Symbol	Arsg
Synonyms	Arsg; arylsulfatase G; A1846872; 6330406P08Rik; arylsulfatase G; ASG
Gene ID	74008
mRNA Refseq	NM_001166177
Protein Refseq	NP_001159649
Chromosome Location	11 E1; 11
Pathway	Lysosome
Function	arylsulfatase activity; catalytic activity; hydrolase activity; metal ion binding; sulfuric ester hydrolase activity

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