Active Recombinant Mouse Arylsulfatase G, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Arsgprotein was expressed in Chinese Hamster Ovary cell line with a C-terminal 10-Histag. Gly17-Val525.
Species	Mouse
Source	CHO
ProteinLength	17-525 a.a.
Description	Arsg is a member ofthe aryl sulfatase family of enzymes with a high degree of amino acidsequence similarity to ARSA and ARSB. Arsg mRNA is expressed in a ubiquitousmanner, being detected in most adult and embryonic tissues of the mouse.
Form	Supplied as a 0.2 μmfiltered solution in Tris and NaCl.
N-terminalSequence	Gly17
Molecular Weight	57 kDa
Activity	Measured by itsability to hydrolyze the substrate 4Nitrocatechol Sulfate (PNCS). Thespecific activity is > 1,500 pmoles/min/μg, as measured under thedescribed conditions.
Endotoxin Level	< 1.0EU per 1 μg of the protein by the LAL method.

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

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

GENE INFORMATION

Gene Name	Arsg arylsulfatase G [Musmusculus]
Official Symbol	Arsg
Synonyms	Arsg; arylsulfataseG; AI846872;6330406P08Rik; arylsulfatase G; ASG
Gene ID	74008
mRNA Refseq	NM_001166177
Protein Refseq	NP_001159649
Chromosome Location	11 E1; 11
Pathway	Lysosome
Function	arylsulfataseactivity; catalytic activity; hydrolase activity; metal ion binding; sulfuricester hydrolase activity

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