



# Recombinant Human ARSB Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06177

**Protein Name:** Arylsulfatase N-Acetylgalactosamine-4-Sulfatase (ARSB)

**Aliases:** ASB; G4S; MPS6; arylsulfatase N-acetylgalactosamine-4-sulfatase

**UniProt ID:** P15848

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P15848/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Yeast

**Protein Length:** Full Length of Mature Protein (37-533aa)

**Molecular Weight:** 58.0kDa

**Protein Tag:** N-terminal 6xHis-tagged

## 2. Amino Acid Sequence (37-533aa)

SGAGASRPPHLVFLADDLGWNDVGFHGSRI RTPHLDALAAGGVLLDNYYTQPLCT  
PSRSQLLTGRYQIR TGLQH QIIWPCQPSCVPLDEKLLPQLLKEAGYTTHMVGKWHL  
GMYRKECLPTRRGFD TYFGYLLGSEDIYSSHERCTLIDALNVTRCALDFRDGEEVAT  
GYKNMYSTNIFTKRAIALITNHPPEKPLFLYLALQSVHEPLQVPEEYLPYDFIQDKN  
RHHYAGMVSLMDEAVGNVTAALKSSGLWNNTVFIFSTDNGGQTLAGGNNWPLRG  
RKWSLWEGGV RGVGFVASPLLKQKGVKNRELIHISDWLPTLVKLARGHTNGTKPLD  
GFDVWKTISEGSPSPRIELLHNIDPNFVDSSPCPRNSMAPAKDDSSLPEYSAFN TSV  
HAAIRHGNWKL LTGYPGCGYWFP PPSQYNVSEIPSSDPPTKTLWLFDIDRDPEERH  
DLSREYPHIVTKLLSRLQFYHKHSVPVYFPAQDPRCDPKATGVWGPWM

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## **4. Storage Conditions**

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## **5. Product Description**

This product is a recombinant Human ARSB full length of mature protein protein (37-533aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ARSB, also known as ASB or G4S or MPS6, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.