



# Recombinant Human Arylsulfatase F (ARSF)

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| <b>Product Code</b>      | CSB-YP002148HU   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P54793   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | HRVHDDKP NIVLIMVDDL GIGDLGCGYGN DTMRTPHIDR LAREGVRLTQ<br>HISAASLCSP SRSAFLTGRY PIRSGMVSSG NRRVIQNLAV PAGLPLNETT<br>LAALLKKQGY STGLIGKWHQ GLNCDSRSDQ CHHPYNYGFD YYYGMPFTLV<br>DSCWPDPSRN TELAFESQLW LCVQLVAIAI LTLTFGKLSG WVSVPWLLIF<br>SMILFIFLLG YAWFSSHTSP LYWDCLLMRG HEITEQPMKA ERAGSIMVKE<br>AISFLERHSK ETFLFFSFL HVHTPLPTTD DFTGTSKHGL YGDNVEEMDS<br>MVGKILDAID DFGLRNNTLV YFTSDHGGHL EARRGHAQLG GWNGIYKGGK<br>GMGGWEGGIR VPGIVRWPGK VPAGRLIKEP TSLMDILPTV ASVSGGSLPQ<br>DRVIDGRDLM PLLQGNVRHS EHEFLFHYCG SYLHAVRWIP KDDSGSVWKA<br>HYVTPVFQPP ASGGCYVTSL CRCFGEQVTY HNPPLFDLS RDPSESTPLT<br>PATEPLHDFV IKKVANALKE HQETIVPVTY QLSELNQGR T WLPCCGVFP<br>FCLCDKEEEV SQPRGPNEKR |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | ARSF   |
| <b>Protein Names</b>     | Recommended name: Arylsulfatase F Short name= ASF EC= 3.1.6.-  |
| <b>Expression Region</b> | 23-590   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | 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.  |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.   |



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.