

Full-Length

# ARSK (Human) Recombinant Protein (P01)

Catalog # H00153642-P01

Size 25 ug, 10 ug

## Applications

## Specification

### Product Description

Human ARSK full-length ORF ( NP\_937793.1, 1 a.a. - 536 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MLLLWWSVVAALALAVLAPGAGEQRRRAAKAPNVVLVVSDFSFGRLTFHPGSQVVKLPFINFMK  
TRGTSFLNAYTNSPICCPRAAMWSGLFTHLTESWNNFKGLDPNYTTWMDVMERHGYRTQKFGK  
LDYTSGHHSISRVEAWTRDVAFLLRQEGRPMVNLIRNRTKVRVMERDWQNTDKAVNWLRKEAI  
NYTEPFVIYLGNLPHYPSPSSGENFGSSTFHTSLYWLEKVSMDAIPKWSPLSEMHPVDYYSS  
YTKNCTGRFTKKEIKNIRAFYYAMCAETDAMLGEIILALHQLDLLQKTVYSSDHGELAMEHRQFYK  
MSMYEASAHVPLLMMGPGIKAGLQVSNVSLVDIYPTMLDIAGIPLQNLGYSLLPLSSETFKNE  
HKVKNLHPPWILSEFHGCNVNASTYMLRTNHWKYIAYSDGASILPQLFDLSSDPDELTVAVKFPE  
ITYSLDQKLHSIINYPKVSASVHQYNKEQFIKWKQSIGQNYSNVIANLRWHQDWQKEPRKYENAIQ  
WLKTHMNPRAV

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

87.9

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ARSK

**Entrez GeneID**[153642](#)**GeneBank Accession#**[NM\\_198150.2](#)**Protein Accession#**[NP\\_937793.1](#)**Gene Name**

ARSK

**Gene Alias**

DKFZp313G1735, TSULF

**Gene Description**

arylsulfatase family, member K

**Omim ID**[610011](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Sulfatases (EC 3.1.5.6), such as ARSK, hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules (Sardiello et al., 2005 [PubMed 16174644]).[supplied by OMIM]

**Other Designations**

OTTHUMP00000149978|arylsulfatase K|telethon sulfatase