

# Recombinant Full Length Human ARSJ Protein, GST-tagged

**Cat. No.** ARSJ-1302HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ARSJ full-length ORF ( AAH32010.1, 1 a.a. - 85 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 85 amino acids                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Sulfatases (EC 3.1.5.6), such as ARSJ, 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, Mar 2008] |
| <b>Molecular Mass</b>   | 35.2 kDa                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MAPGQQAMGS GTLQSSQPSE CSTGNCLQEI LATATGSPLS LSATWDRTGG<br>TMNGSPCQLA KVYGFSTSQP THMRGWTYLT GIQES                                                                                                                                                                                                                          |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array                                                                                                                                                                                                               |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                  |

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

## GENE INFORMATION

|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Gene Name       | ARSJ arylsulfatase family, member J [ Homo sapiens ]                    |
| Official Symbol | ARSJ                                                                    |
| Synonyms        | ARSJ; arylsulfatase family, member J; ASJ; arylsulfatase J; EC 3.1.6.12 |
| Gene ID         | 79642                                                                   |
| mRNA Refseq     | NM_024590.3                                                             |
| Protein Refseq  | NP_078866.3                                                             |
| MIM             | 610010                                                                  |
| UniProt ID      | Q5FYB0                                                                  |

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