

## Recombinant Human ARSE protein, GST-tagged

Cat. No. ARSE-863H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ARSE full-length ORF (BAG35917.1, 1 a.a. - 589 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	Arylsulfatase E is a member of the sulfatase family. It is glycosylated postranslationally and localized to the golgi apparatus. Sulfatases are essential for the correct composition of bone and cartilage matrix. X-linked chondrodysplasia punctata, a disease characterized by abnormalities in cartilage and bone development, has been linked to mutations in this gene. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on the Y chromosome. [provided by RefSeq, Sep 2013]
<b>Molecular Mass</b>	92.1 kDa
<b>AA Sequence</b>	MLHLHHSCLCFRSWLPAMLA VLLSLAPSASSDISASRPNILLMADDLGIGDIGCYGN NTMRTPNIDRLAEDGVKLTQHISAASLCTPSRAAFLTGRYPVRS GMVSSIGYRVLQW TGASGGPPTNETTFAKILKEKGYATGLIGKWHLGLNCESASDHCHHPLHHGFDHFY GMPFSLMGDCARWELSEKRVNLEQKLNFLFQVLALVALTLVAGKLTHLIPVSWMPVI WSALSAVLLLASSYFVGALIVHADCF LMRNHTITEQPMCFQRTTPLILQEVASFLKRN KHGPFLLFVSFLHVHIPLITMENFLGKSLHGLYGDNVEEMDWMVGRILD TLDVEGLS NSTLIYFTSDHGG SLENQLGNTQYGGWNGIYKGGKGMGGWEGGIRVPGIFRWPGV

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LPAGRVIGEPTSLMDVFPTVVRLADSEVPQDRVIDGQDLLPLLLGTAQHSDHEFLMH  
 YCERFLHAARWHQRDRGTMWKVHFVTPVFQPEGAGACYGRKVCPCFGEKVVHHD  
 PPLLFDLSRDPSETHILTPASEPVFYQVMERVQQAVWEHQRTLSPVPLQLDRLGNIW  
 RPWLQPCCGPFPLCWCLREDDPQ

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

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

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

## GENE INFORMATION

**Gene Name** ARSE arylsulfatase E (chondrodysplasia punctata 1) [ Homo sapiens ]

**Official Symbol** ARSE

**Synonyms** ARSE; arylsulfatase E (chondrodysplasia punctata 1); CDPX, CDPX1; arylsulfatase E; chondrodysplasia punctata 1; ASE; CDPX; CDPX1; CDPXR; MGC163310;

**Gene ID** 415

**mRNA Refseq** NM\_000047

**Protein Refseq** NP\_000038

**MIM** 300180

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UniProt ID

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