

Recombinant Full Length Human ARSE Protein, GST-tagged

Cat. No. ARSE-1292HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARSE full-length ORF (BAG35917.1, 1 a.a. - 589 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	589 amino acids
Description	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]
Molecular Mass	92.1 kDa
AA Sequence	MLHLHHSCLC FRSWLPAMLA VLLSLAPSAS SDISASRPNI LLLMADDLGI GDIGCYGNNT MRTPNIDRLA EDGVKLTQHI SAASLCTPSR AAFLTGRYPV RSGMVSSIGY RVLQWTGASG GPPTNETTFA KILKEKGYAT GLIGKWHLGL NCESASDHCH HPLHHGFDHF YGMPFSLMGD CARWELSEKR VNLEQKLNFL FQVLALVALT LVAGKLTHLI PVSWMPVIWS ALSAVLLLAS SYFVGALIVH ADCFLMRNHT ITEQPMCFQR TTPLILQEVA SFLKRNRKHGP FLLFVSFLHV

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HIPLITMENF LGKSLHGLYG DNVEEMDWMV GRILDTLDVE GLSNSTLIYF
 TSDHGGSELEN QLGNTQYGGW NGIYKGGKGM GGWEGGIRVP GIFRWPGVLP
 AGRVIGEPTS LMDVFPTVVR LADSEVPQDR VIDGQDLLPL LLGTAQHSDH
 EFLMHYCERF LHAARWHQRD RGTMWKVHFV TPVFQPEGAG ACYGRKVCPC
 FGEKVHHDP PLLFDLSRDP SETHILTPAS EPVIFYQVMER VQQAVWEHQR
 TLSPVPLQLD RLGNIWRPWL QPCCGPFPLC WCLREDDPQ

Applications

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

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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