Recombinant Human ARSL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARSL-441H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARSE MS Standard C13 and N15-labeled recombinant protein (NP_000038) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	65.7 kDa
AA Sequence	MLHLHHSCLCFRSWLPAMLAVLLSLAPSASSDISASRPNILLLMADDLGIGDVGCYG NNTMRTPNIDRLAEDGVKLTQHISAASLCTPSRAAFLTGRYPVRSGMVSSIGYRVLQ WTGASGGLPTNETTFAKILKEKGYATGLIGKWHLGLNCESASDHCHHPLHHGFDHF YGMPFSLMGDCARWELSEKRVNLEQKLNFLFQVLALVALTLVAGKLTHLIPVSWMP VIWSALSAVLLLASSYFVGALIVHADCFLMRNHTITEQPMCFQRTTPLILQEVASFLKR NKHGPFLLFVSFLHVHIPLITMENFLGKSLHGLYGDNVEEMDWMVGRILDTLDVEGL

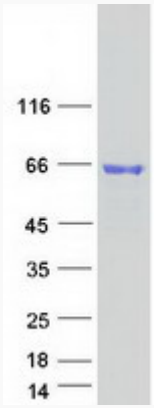
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	SNSTLIYFTSDHGGSLENQLGNTQYGGWNGIYKGGKGMGGWEGGIRVPGIFRWPG VLPAGRVIGEPTSLMDVFPTVVRLAGGEVPQDRVIDGQDLLPLLLGTAQHSDHEFLM HYCERFLHAARWHQRDRGTMWKVHFVTPVFQPEGAGACYGRKVCPCFGEKVVHH DPPLLFDLSRDPSETHILTPASEPVFYQVMERVQQAVWEHQRTLSPVPLQLDRLGNI WRPWLQPCCGPFPLCWCLREDDPQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ARSL arylsulfatase L [Homo sapiens (human)]
Official Symbol	ARSL
Synonyms	ARSL; arylsulfatase L; ASE; ARSE; CDPX; CDPX1; CDPXR; arylsulfatase L; arylsulfatase E (chondrodysplasia punctata 1); EC 3.1.6.1
Gene ID	415
mRNA Refseq	NM_000047
Protein Refseq	NP_000038

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MIM	300180
UniProt ID	P51690
SDS-PAGE	

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