

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

Cat. No. ARSD-1748H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARSD MS Standard C13 and N15-labeled recombinant protein (NP_001660) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the sulfatase family. Sulfatases are essential for the correct composition of bone and cartilage matrix. The encoded protein is postrationally glycosylated and localized to the lysosome. This gene is located within a cluster of similar arylsulfatase genes on chromosome X. A related pseudogene has been identified in the pseudoautosomal region of chromosome Y.
Molecular Mass	64.86 kDa
AA Sequence	MRSAARRGRAAPAARDSLPVLLFLCLLLKTCEPKTANAFKPNILLIMADDLGTGDLGC YGNNTLRTPNIDQLAEEGVRLTQHLLAAAPLCTPSRAAFLTGRHSFRSGMDASNGYR ALQWNAGSGGLPENETTFARILQQHGYATGLIGKWHQGVNCASRGDHCHHPLNHG FDYFYGMPFTLTNDCDPGRPPEVDAALRAQLWGYTQFLALGILTAAAGQTCGFFSV SARAVTGMAGVGCLFFISWYSSFGFVRRWNCILMRNHDVTEQPMVLEKTASLMLKE AVSYIERHKHGPFLFLSLLHVHIPLVTTS AFLGKSQHGLYGDNVEEMDWLIGKVLNA IEDNGLKNSTFTYFTSDHGGHLEARDGHSQLGWNGIYKGGKGMGGWEGGIRVPG IFHWPGVLPAGRVIGEPTSLMDVFPTVVQLVGGEVPQDRVIDGHSLVPLLQGAEARS

 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

AHEFLFHYCGQHLHAARWHQKDSGSVWKVHYTTPQFHPEGAGACYGRGVPCPSG
EGVTHHRPPLLFDLSRDPSEARPLTPDSEPLYHAVIARVGA AVSEHRQTLSPVPQQF
SMSNILWKPWLQPCCGHFPFCSCHEGDGTPTRTRPLEQKLISEEDLAANDILDYK
DDDDKV

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 ARSD arylsulfatase D [Homo sapiens (human)]

Official Symbol ARSD

Synonyms ARSD; arylsulfatase D; ASD; arylsulfatase D; testis tissue sperm-binding protein Li 39a; EC 3.1.6.1

Gene ID 414

mRNA Refseq NM_001669

Protein Refseq NP_001660

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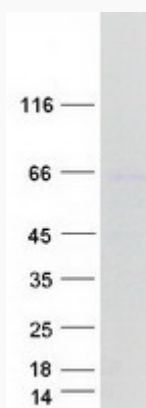
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MIM 300002

UniProt ID P51689

SDS-PAGE



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