

Product datasheet for **AR50709PU-N**

Arylsulfatase G (17-525, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Arylsulfatase G (17-525, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSGGFLYPLV DFCISGKTRG QKPNFVIILA DDMGWGDLGA NWAETKDTAN LDKMASEGMR FVDFHAAAST CSPSRASLLT GRLGLRNGVT RNFAVTSVGG LPLNETTLAE VLQQAGYVTG IIGKWHLGHH GSYHPNFRGF DYYFGIPYSH DMGCTDTPGY NHPPCPACPQ GDGPSRNLQR DCYTDVALPL YENLNIVEQP VNLSSLAQKY AEKATQFIQR ASTSGRPFL YVALAHMHVP LPVTQLPAAP RGRSLYGAGL WEMDSL VGQI KDKVDHTVKE NTFLWFTGDN GPWAQKCELA GSVGPF TGFV QTRQGGSPAK QTTWEGGHRV PALAYWPGRV PVNVTSTALL SVLDIFPTV ALAQASLPQG RRFDGDVSE VLFGRSQPGH RVL FHPNSGA AGEFGALQTV RLERYKAFYI TGGARACDGS TGPELQHKFP LIFNLEDDTA EAVPLERGG A EYQAVLPEVR KVLADVLQDI ANDNISSADY TQDPSVTPCC NPYQIACRCQ AA
Tag:	His-tag
Predicted MW:	57 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ARSG protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001254656
Locus ID:	22901
UniProt ID:	Q96EG1 , A0A024R8K1



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Cytogenetics: 17q24.2

Synonyms: USH4

Summary: The protein encoded by this gene belongs to the sulfatase enzyme family. Sulfatases hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This protein displays arylsulfatase activity at acidic pH, as is typical of lysosomal sulfatases, and has been shown to localize in the lysosomes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]

Protein Families: Druggable Genome

Protein Pathways: Lysosome

Product images:

