

## Product datasheet for AR50709PU-N

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## 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:

NWAETKDTAN LDKMASEGMR FVDFHAAAST CSPSRASLLT GRLGLRNGVT RNFAVTSVGG LPLNETTLAE VLQQAGYVTG IIGKWHLGHH GSYHPNFRGF DYYFGIPYSH DMGCTDTPGY NHPPCPACPQ GDGPSRNLQR DCYTDVALPL YENLNIVEQP VNLSSLAQKY AEKATQFIQR ASTSGRPFLL YVALAHMHVP LPVTQLPAAP RGRSLYGAGL WEMDSLVGQI KDKVDHTVKE NTFLWFTGDN GPWAQKCELA GSVGPFTGFW QTRQGGSPAK QTTWEGGHRV PALAYWPGRV PVNVTSTALL SVLDIFPTVV ALAQASLPQG RRFDGVDVSE VLFGRSQPGH RVLFHPNSGA

MGSSHHHHHH SSGLVPRGSH MGSGFLYPLV DFCISGKTRG QKPNFVIILA DDMGWGDLGA

EYQAVLPEVR KVLADVLQDI ANDNISSADY TQDPSVTPCC NPYQIACRCQ AA

AGEFGALQTV RLERYKAFYI TGGARACDGS TGPELQHKFP LIFNLEDDTA EAVPLERGGA

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



## Arylsulfatase G (17-525, His-tag) Human Protein - AR50709PU-N

Cytogenetics: 17q24.2

Synonyms: USH4

Summary: The protein encoded by this gene belongs to the sulfatase enzyme family. Sulfatases

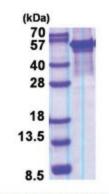
hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This protein displays arylsulfatase activity at acidic pH, as is typical of lysosomal sulfatases, 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:**



15% SDS-PAGE (3ug)