9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2161: ARSG Recombinant Protein

Alternative Name : Arylsulfatase G,ASG,ARSG,KIAA1001,UNQ839/PRO1777.

Description

Source : Escherichia Coli. ARSG Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 532 amino acids (17-525) and having a molecular mass of 57kDa.ARSG is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Arylsulfatase G (ARSG) is a member of the sulfatase enzyme family. Sulfatases are enzymes which hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. Sulfatases are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. The ARSG protein exhibits arylsulfatase activity at acidic pH, as is characteristic of lysosomal sulfatases. The Arylsulfatase G enzyme localizes in the lysosomes. ARSG is inhibited by phosphate, which forms a covalent bond with the active site 3-oxoalanine. Arylsulfatase G is widely expressed, having very low expression in the brain, lung, heart and skeletal muscle.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The ARSG solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSGFLYPLV DFCISGKTRG QKPNFVIILA DDMGWGDLGA 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 AGEFGALQTV RLERYKAFYI TGGARACDGS TGPELQHKFP LIFNLEDDTA EAVPLERGGA EYQAVLPEVR KVLADVLQDI ANDNISSADY TQDPSVTPCC NPYQIACRCQ AA.