

Recombinant Human Arylsulfatase G(ARSG)

Catalog No: #AP70055

Package Size: #AP70055-1 20ug #AP70055-2 100ug #AP70055-3 1mg

Description

Product Name	Recombinant Human Arylsulfatase G(ARSG)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:17-525aaSequence Info:Full Length
Accession No.	Q96EG1
Calculated MW	71.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	GFLYPLVDFCISGKTRGQKPNFVILADDMGWGD LGANWAETKDTANLDKMASEGMRVDFHAAASTCSPSR ASLLTGRLGLRNGVTRNFAVTSVGGLPLNETTLAEVLQQAGYVTGIIKGWHLGHHGSYHPNFRGFDYYFGIPY SHDMGCTDTPGYNHPPCPACPQGDGPSRNLQRDCYTDVALPLYENLNIVEQPVNLSLAQKYAEKATQFIQR ASTSGRPFLLYVALAHMHVPLPVTQLPAAPRGRSLYGAGLWEMDSL VGQIKDKVDHTVKENTFLWFTGDNGP WAQKCELAGSVGPFTGFWQTRQGGSPAKQTTWEGGHRVPALAYWPGRVPVNVTSALLSVLDIFPTVVALA QASLPQGRRFDGVDVSEVLFGRSQPGHRVLFHPNSGAAGEFGALQTVRLERYKAFYITGGARACDGSTGPE LQHKFPLIFNLEDDTAEAVPLERGGAEYQAVLPEVRKVLADVLQDIANDNISSADYTQDPSVTPCCNPYQIACR CQAA
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Displays arylsulfatase activity at acidic pH with pseudosubstrates, such as p-nitrocatechol sulfate and also, but with lower activity, p-nitrophenyl sulfate and 4-methylumbelliferyl sulfate.

References

Arylsulfatase G, a novel lysosomal sulfatase.Frese M.A., Schulz S., Dierks T.J. Biol. Chem. 283:11388-11395(2008)Research Topic:Tags & Cell Markers

Note: This product is for in vitro research use only and is not intended for use in humans or animals.