

Recombinant Human Arylsulfatase B(ARSB)

Catalog No: #AP70054

Package Size: #AP70054-1 20ug #AP70054-2 100ug #AP70054-3 1mg

Description

Product Name	Recombinant Human Arylsulfatase B(ARSB)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:37-533aaSequence Info:Full Length
Other Names	N-acetylgalactosamine-4-sulfatase ;G4S
Accession No.	P15848
Calculated MW	72 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SGAGASRPPHLVFLADDLGWNDVGFHGSRI RTPHLDALAAGGVLLDNYYTQPLCTPSRSQLLTGRYQIRTGL QHQIIWPCQPSCVPLDEKLLPQLLKEAGYTTHMVGKWHLGMYRKECLPTRRGFDYFGYLLGSEDYYSHERC TLIDALNVTRCALDFRDGEEVATGYKNMYSTNIFTKRAIALITNHPPEKPLFLYLALQSVHEPLQVP E EYLKPYDF IQDKNRHHYAGMVSLMDEAVGNVTAALKSSGLWNNTVFIFSTDNGGQTLAGGNNWPLRGRKWSLWEGGVR GVGFVASPLLKQKGVKNRELIHISDWLPTLVKLARGHTNGTKPLDGFVDVWKTISEGSPSPRIELLHNIDPNFVD SSPCPRNSMAPAKDDSSLPEYSAFNTSVHAAIRHGNWKL LTGYPGCGYWFPPPSQYNVSEIPSSDPPTKT LW LFDIDRDPEERHDL SREYPHIVTKLLSRLQFYHKHSVPVYFPAQDPRCDPKATGVWGPWM
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

Removes sulfate groups from chondroitin-4-sulfate (C4S) and regulates its degradation . Involved in the regulation of cell adhesion, cell migration and invasion in colonic epithelium . In the central nervous system, is a regulator of neurite outgrowth and neuronal plasticity, acting through the control of sulfate glycosaminoglycans and neurocan levels .

References

The DNA sequence and comparative analysis of human chromosome 5.Schmutz J., Martin J., Terry A., Couronne O., Grimwood J., Lowry S., Gordon L.A., Scott D., Xie G., Huang W., Hellsten U., Tran-Gyamfi M., She X., Prabhakar S., Aerts A., Altherr M., Bajorek E., Black S. , Branscomb E., Caoile C., Challacombe J.F., Chan Y.M., Denys M., Detter J.C., Escobar J., Flowers D., Fotopulos D., Glavina T., Gomez M., Gonzales E., Goodstein D., Grigoriev I., Groza M., Hammon N., Hawkins T., Haydu L., Israni S., Jett J., Kadner K., Kimball H., Kobayashi A., Lopez F., Lou Y., Martinez D., Medina C., Morgan J., Nandkeshwar R., Noonan J.P., Pitluck S., Pollard M., Predki P., Priest J., Ramirez L., Retterer J., Rodriguez A., Rogers S., Salamov A., Salazar A., Thayer N., Tice H., Tsai M., Ustaszewska A., Vo N., Wheeler J., Wu K., Yang J., Dickson M., Cheng J.-F., Eichler E.E., Olsen A., Pennacchio L.A., Rokhsar D.S., Richardson P., Lucas S.M., Myers R.M., Rubin E.M.Nature 431:268-274(2004)Research Topic:Cancer

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