

Recombinant *Pseudomonas aeruginosa* PA-I galactophilic lectin(lecA)

Catalog No: #AP70968

Package Size: #AP70968-1 20ug #AP70968-2 100ug #AP70968-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant <i>Pseudomonas aeruginosa</i> PA-I galactophilic lectin(lecA)
Host Species	<i>E.coli</i>
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-122aaSequence Info:Full Length
Other Names	Galactose-binding lectin
Accession No.	Q05097
Calculated MW	16.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AWKGEVLANNEAGQVTSIIYNPGDVITIVAAGWASYGPTQKWGPQGDREHPDQGLICHDAFCGALVMKIGNS GTIPVNTGLFRWWAPNNVQGAILIYNDVPGTYGNNSGSFSVNIGKDQS
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

D-galactose specific lectin. Binds in decreasing order of affinity: melibiose, methyl- α -D-galactoside, D-galactose, methyl- β -D-galactoside, N-acetyl-D-galactosamine. Similar to plant lectins in its selective (carbohydrate-specific) agglutinating activity.

References

The *Pseudomonas aeruginosa* lectins PA-1L and PA-2L are controlled by quorum sensing and by RpoS.Winzer K., Falconer C., Diggle S.P., Garber N.C., Camara M., Williams P.Complete genome sequence of *Pseudomonas aeruginosa* PAO1, an opportunistic pathogen.Stover C.K., Pham X.-Q.T., Erwin A.L., Mizoguchi S.D., Warrenner P., Hickey M.J., Brinkman F.S.L., Hufnagle W.O., Kowalik D.J., Lagrou M., Garber R.L., Goltry L., Tolentino E., Westbrook-Wadman S., Yuan Y., Brody L.L., Coulter S.N., Folger K.R. , Kas A., Larbig K., Lim R.M., Smith K.A., Spencer D.H., Wong G.K.-S., Wu Z., Paulsen I.T., Reizer J., Saier M.H. Jr., Hancock R.E.W., Lory S., Olson M.V.Nature 406:959-964(2000)Research Topic:Others

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