

PA-I galactophilic lectin Recombinant Protein | lecA recombinant protein

Recombinant Pseudomonas aeruginosa PA-I galactophilic lectin

CATALOG #
AAA114749

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

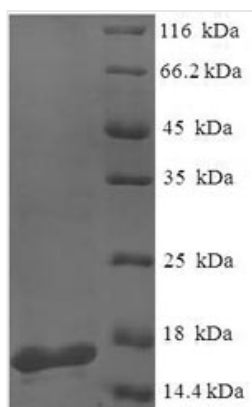
PRODUCT SYNONYMS

PA-I galactophilic lectin; Recombinant Pseudomonas aeruginosa PA-I galactophilic lectin; Galactose-binding lectin; lecA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-122aa; Full Length of Mature Protein
Sequence	AWKGEVLANN EAGQVTSIIY NPGDVITIVA AGWASYGPTQ KWGPQGDREH PDQGLICHDA FCGALVMKIG NSGTIPVNTG LFRWVAPNNV QGAILIYND VPGTYGNNSG SFSVNIGKDQ S
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for lecA recombinant protein

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

References	Analysis of the amino acid sequence of the <i>Pseudomonas aeruginosa</i> galactophilic PA-I lectin.Avichezer D., Katcoff D.J., Garber N.C., Gilboa-Garber N.J. Biol. Chem. 267:23023-23027(1992) <i>Pseudomonas aeruginosa</i> PA-I lectin gene molecular analysis and expression in <i>Escherichia coli</i>.Avichezer D., Gilboa-Garber N., Garber N.C., Katcoff D.J.Biochim. Biophys. Acta 1218:11-20(1994) The <i>Pseudomonas aeruginosa</i> 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 <i>Pseudomonas aeruginosa</i> 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)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15597766
NCBI GeneID	882335
NCBI Accession #	NP_251260.1
NCBI GenBank Nucleotide #	NC_002516.2
UniProt Accession #	Q05097
Molecular Weight	16.8 kDa
NCBI Official Full Name	PA-I galactophilic lectin
NCBI Official Symbol	lecA
NCBI Protein Information	PA-I galactophilic lectin
UniProt Protein Name	PA-I galactophilic lectin
UniProt Gene Name	lecA
UniProt Synonym Gene Names	pa1L; PA-IL
UniProt Entry Name	PA1L_PSEAE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/leca-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114749>