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32-4020: Recombinant Listeria Monocytogenes Internalin(Discontinued)

Description

Source : Escherichia Coli. Internalin Listeria monocytogenes Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 374 amino acids and having a molecular mass of 42.7kDa. The Internalin-A is fused with an 8 amino acid His tag at C-terminus. Internalins are surface proteins located on Listeria monocytogenes. Internalins exist in two known forms, InlA and InlB. Internalins are used by the bacteria to invade mammalian cells via cadherins transmembrane proteins. The precise role of the Internalin proteins and their invasiveness in vivo is not entirely understood. However, in cultured cells, InlA is needed to facilitate Listeria entry into human epithelial cells. While InlB is required for Listeria internalisation in several other cell types, including hepatocytes, fibroblasts, and epithelioid cells.

Product Info

Amount :	100 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE and HPLC.
Content :	Internalin-A is lyophilized from a 0.2ï¿½m filtered concentrated solution in 20mM PB pH7.4 and 300mM NaCl.
Storage condition :	Lyophilized Internalin-A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Internalin-A should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	MANENNFLEI MSETKEIKIV NIPDNNLKKV LNKSLNKSEN SDLTVKDLES IEYLYGIAEN ISNIEGLEYC KNLKILSLQN NDNSKKENFN TITDLSPLKY LKNLVVLDLR NNKISDLSPL ENLTNLESLR LSGNNISNIS PLNKLESLTT LTLSYNEITD ISTISNLKNL THLALYNNKI EDISSLKENT KLQNLSLGFN KIKDISVLSN LKNLYDLSLE ENNIKSIKSL SNLHKLSNIN LKNNKIEDIS PLETCNDFFE KLILDGNRIS DISSLSKKEI IVCSINNQTI TIKDWKVSDN NSFEIKLPND NLDIKIDNIS ENGTFIDNSI KWTNISPKSK LSFEFKQDID NDIHSIFYSG TVRFKRLEHHHH HH.

Application Note

It is recommended to reconstitute the lyophilized Internalin-A in sterile 2XPBS not less than 100µg/ml, which can then be further diluted to other aqueous solutions.Important note: If the concentration of NaCl is less than 150mM, the protein solution becomes turbid overnight. Please always keep the concentration of NaCl more than 250mM.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.