

Materials List for

Homogeneous Glycoconjugate Produced by Combined Unnatural Amino Acid Incorporation and Click-Chemistry for Vaccine Purposes

Typhaine Violo¹, Christophe Dussouy¹, Charles Tellier¹, Cyrille Grandjean¹, Emilie Camberlein¹

¹Université de Nantes, CNRS, Unité Fonctionnalité et Ingénierie des Protéines (UFIP), UMR 6286

Corresponding Author

Emilie Camberlein

emilie.camberlein@univ-nantes.fr

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Materials

Name	Company	Catalog Number	Comments
AIM (autoinductif medium)	Formedium	AIMLB0210	Solid powder
Boc-Lys-OH	Alfa-Aesar	H63859	Solid powder
BL21(DE3)	Merck Novagen	69450	<i>E. coli</i> str. B, F ⁻ <i>ompT gal dcm lon hsdSB(r_B⁻ m_B⁻) λ(DE3 [<i>lacI lacUV5-T7p07 ind1 sam7 nin5</i>]) [<i>malB</i>⁺]_K-12(λ^S)</i>
Dialysis membrane			
DNAseI			
Filter 0.45 μm			
L-arabinose			
lysozyme			
Ni-NTA resin	Machery Nagel	Protino	Ni-NTA beads in suspension into 20% ethanol
Pall centrifugal device			
pET24d-mPsaAK32TAG-ENLYFQ-HHHHHH	this study		same as pET24d-mPsaA-WT but with a K32TAG mutation in the mPsaA gene
pET24d-mPsaA-WT	this study		pET24d plasmide with the Wt mPsaA gene cloned between the <i>Bam</i> HI and <i>Xho</i> I restriction sites with a TEV protease sequence followed by a His ₆ tag at the C-terminal end of mPsaA gene and carrying the Kanamycine resistance gene
pEVOL plasmid	gift from Edward Lemke EMBL (ref 19)		plasmide with p15A origin, two copies of MmPyIRS (one under GlnS promoter and one under pAra promoter), one copy of the tRNA ^{CUA} under the ProK promoter, the chloramphenicol resistance gene

Propargyl chloroformate	Sigma-Aldrich	460923	Liquid
Sonicator	Thermo Fisher	FB120-220	