

HMS174(DE3)pLysS Competent Cells - Novagen HMS174 strains provide high transformation efficiencies and the recA mutation in a K-12 background. T7 lysozyme expression suppresses basal T7 expression.

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Description

HMS174 strains provide high transformation efficiencies and the recA mutation in a K-12 background. T7 lysozyme expression suppresses basal T7 expression., HMS174 strains provide the recA mutation in a K-12 background. Like BLR, these strains may stabilize certain target genes whose products may cause the loss of the DE3 prophage. DE3 indicates that the host is a lysogen of lambdaDE3, and therefore carries a chromosomal copy of the T7 RNA polymerase gene under control of the lacUV5 promoter. Such strains are suitable for production of protein from target genes cloned in pET vectors by induction with IPTG. pLysS strains express T7 lysozyme, which further suppresses basal expression of T7 RNA polymerase prior to induction, thus stabilizing pET recombinants encoding target proteins that affect cell growth and viability., Genotype: F-recA1 hsdR(rK12- mK12+) (DE3) pLysS (CamR, Rif R) This product contains genetically modified organisms (GMO). Within the EU GMOs are regulated by Directives 2001/18/EC and 2009/41/EC of the European Parliament and of the Council and their national implementation in the member States respectively. This legislation obliges us to request certain information about you and the establishment where the GMOs are being handled. Click here for Enduser Declaration (EUD) Form.