

DESCRIPTION:

MEDNA BirA is N-terminal tagged with FLAG-myc-His-MBP to provide the convenience to remove the enzyme after biotinylation. MEDNA BirA enzyme is produced in *E. coli* and purified to greater than 95% purity by affinity purification. The multiple affinity tags and the high purity make this enzyme desirable over those available from other companies.

BACKGROUND:

Biotin binds to avidin or streptavidin very tightly, and this interaction has been used in many applications. BirA biotin-protein ligase (EC 6.3.4.15) activates biotin to form biotinyl 5'-adenylate and transfers the biotin to a lysine residue in a biotin-accepting polypeptide (such as the AviTagTM peptide). The protein is encoded by the *birA* gene.