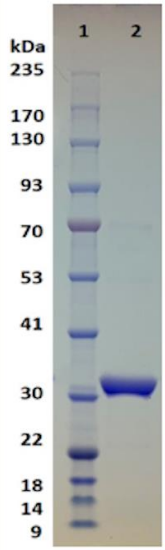


Product Name	Recombinant Biotin Protein Ligase (BirA)
Sizes	100 µg
Synonym(s)	Holocarboxylase Synthetase, Biotin Protein Ligase, ATP-Hydrolysing Ligase
Species	<i>E. coli</i>
UniProt Consortium	P06709
Introduction	Biotin-protein ligase activates biotin to form biotinyl 5' adenylate and transfers the biotin to biotin-accepting proteins. Biotin ligase also controls biotin synthesis in Escherichia coli. As a homodimer, it negatively controls the biotin synthetic operon.
Amino Acid Sequence	MASMTGGQQMGRGSEFMKDNTVPLKLIALLANGEFHSGEQLGETL GMSRAAINKHIQTLRDWGVDFVTPGKGYSLPEPIQLLNAKQILGQL DGGSVAVLPVIDSTNQYLLDRIGELKSGDACIAEYQQAGRGRGRK WFSPFGANLYLSMFWRLEQGPAAAIGLSLVIGIVMAEVLRLKLGADK VRVKWPNDLYLQDRKLAGILVELTGKTGDAAQIVIGAGINMAMRRV EESVQNQGWITLQEAGINLDRNTLAAMLIRELRAALELFEQEGLAPY LSRWEKLDNFINRPVKLIIGDKEIFGISRGIDKQGALLLEQDGIKPWM GGEISLRSAEKKLAAALEHHHHHH
Tag	C-terminal His Tag
Expression source	<i>E. coli</i>
MW	38.5 kDa
Purity	Greater than 95%, as determined by SDS-PAGE
Formulation	50 mM Tris-HCl (pH 7.5), 200 mM KCl, 5% glycerol
Shipping	Shipped on dry ice.

Storage/stability	Upon delivery aliquot and store at -80 °C. Avoid multiple freeze-thaw cycles. The protein is stable for 12 months at -80 °C, for 2-4 weeks at 4°C.
Application	Protein binding assay, small molecule inhibitor screening, substrate of kinase, antigen, ELISA, Western blot, crystallization and co-crystallization studies.
BirA Protein Image	<p>SDS-PAGE gel</p>  <p>1 – MW Marker 2 – BirA</p>

Quality guaranteed with technical support

Our products are under warranty. Replacement or refund for products that do not perform as stated on the datasheet are valid for 12 months from date of delivery. Our experts will provide response to your inquiry within 24 hours.

Unless otherwise specifically indicated, Aurora Biolabs' products and services are for research use only and not for diagnostic or therapeutic use.