

## MurB Protein, E. coli, Recombinant (His)

### General Information

Synonyms:	UDP-N-acetylenolpyruvoylglucosamine reductase;UDP-N-acetylmuramate dehydrogenase; murB;yijB
Protein Construction:	1-342 aa
Species:	E. coli (strain K12)
Expression Host:	E. coli
Accession:	P08373
Molecular Weight:	47.6 kDa (Predicted)
AA Sequence:	MNHSLKPWNTFGIDHNAQHIVCAEDEQQLLNAWQYATAEGQPVLILGEGSNVLFLEDYRGTVIINRIKIEIH DEPDAWYLHVGAGENWHRLVKYTLQEGMPGLENLALIPGCVGSSPIQNIGAYGVELQRVCAYVDSVELATGK QVRLTAKECRFGYRDSIFKHEYQDRFAIVAVGLRLPKWQPVLTYGDLTRLDPTTVTPQQVFNAVCHMRRTKL PDPKVNAGSFFKNPVVSAETAKALLSQFPTAPNYPQADGSVKLAAGWLIDQCQLKGMQIGGAAVHRQQ ALVLINEDNAKSEDDVQLAHHVRQKVGKFNWLEPEVRFIGASGEVSAVETIS

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	Not tested.
Formulation:	Lyophilized from PBS, 6% Trehalose, pH 7.4

### Preparation and Storage

**Reconstitution:**  
Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

**Stability & Storage:**  
Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 47 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

**Shipping:**  
In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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