

nifH1 Protein, Methanobacterium ivanovii, Recombinant (His & Myc)

General Information

Synonyms:	Nitrogenase Fe protein 1;Nitrogenase component II;Nitrogenase reductase;Nitrogenase iron protein 1;nifH1
Protein Construction:	1-275 aa
Species:	Methanobacterium ivanovii
Expression Host:	E. coli
Accession:	P51602
Molecular Weight:	37.4 kDa (predicted)
AA Sequence:	MVRKIAIYGKGGIGKSTTTQNTASAMAHFHNQRVMIHGCDPKADSTRMILGGKMQTTMMDTLREEGEEACM DLDNVMSTGFKDIKCVESGGPEPGVGCAGRGVITAITIMEHMKVYDDNDFVFFDVLGDVVCGGFAMPIRDGK AEEIYIVASGEMMALYAANNLCKGMVKYAEQSGVRLGGIICNSRNVDGEKELLEEFCKRIGTQMIHFVPRDNIV QKAEFNKRTVVDFDAECSQAHEYSELARKIENDNFVIPDPMTMDELEEMVVSYGLMD

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:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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 3 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.

Protein Background

The key enzymatic reactions in nitrogen fixation are catalyzed by the nitrogenase complex, which has 2 components: the iron protein and the molybdenum-iron protein.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481