

## Recombinant Rhizobium Leguminosarum NIFH Protein (1-47 aa), His-GST-Myc-tagged

**Cat. No.** NIFH-2467R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rhizobium Leguminosarum NIFH Protein (1-47 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-GST tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length. |
| <b>Species</b>          | Rhizobium Leguminosarum                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-47 aa                                                                                                                                                                                                                               |
| <b>Description</b>      | 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.                                                                  |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 35.0 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MAALRQIAFYGKGGIGKSTTSQNTLAALVDHHVPRIPMIIRIGGYAQ                                                                                                                                                                                       |
| <b>Purity</b>           | > 85% as determined by SDS-PAGE.                                                                                                                                                                                                      |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                          |

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**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** [nifH nitrogenase iron protein \[ Rhizobium leguminosarum bv. trifolii WSM2304 \]](#)

**Official Symbol** [NIFH](#)

**Synonyms** [nifH;](#)

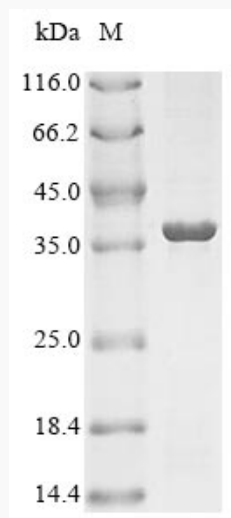
**Gene ID** [34190633](#)

**UniProt ID** [P20623](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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