

## Recombinant Pyrococcus Furiosus PF0142 Protein (1-175 aa), His-SUMO-tagged

**Cat. No.** PF0142-1937P    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Pyrococcus Furiosus (strain ATCC 43587/DSM 3638/JCM 8422/Vc1) PF0142 Protein (1-175 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Partial. |
| <b>Species</b>          | Pyrococcus Furiosus                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-175 aa                                                                                                                                                                                                                                   |
| <b>Description</b>      | L-asparagine + H <sub>2</sub> O = L-aspartate + NH <sub>3</sub> .                                                                                                                                                                          |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 35.5 kDa                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MVAIIVHGGAGTIRKEERIPKIIIEGVREAVLTGWRELKKGSALDAVEEAVKVLEDNPLF<br>NAGTGSVLTLTGKIVEMDAAIMRGKTLDAVAGIHWGVKNPISVARKVMEKTDHVLII<br>GEGAVKFARLMGFPEYDPTTEERRKQWEELRKKLLETGEIRHWKKLSELIKEYPEVL<br>RS                                               |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                           |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4                                                                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

centigrade for up to one week.

#### 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 with reconstitution instruction is sent along with the products.

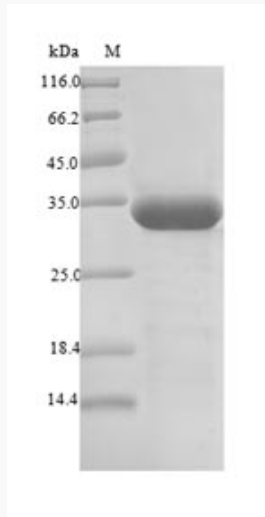
### GENE INFORMATION

#### Synonyms

PF0142; L-asparagine amidohydrolase Cleaved into the following 2 chains: Putative L-asparaginase subunit alpha Putative L-asparaginase subunit beta;

#### UniProt ID

[Q8U4E6](#)



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

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