

## Recombinant Human UBTF Protein (1-670 aa), His-SUMO-tagged

**Cat. No.** UBTF-2505H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human UBTF Protein (1-670 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Partial.                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-670 aa                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Recognizes the ribosomal RNA gene promoter and activates transcription mediated by RNA polymerase I through cooperative interactions with the transcription factor SL1/TIF-IB complex. It binds specifically to the upstream control element.                                                                                                                        |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 95.2 kDa                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MNGEADCPTDLEMAAPKGQDRWSQEDMLTLLECMKNNLPSNDSSKFKTTESHMD<br>WEKVAFKDFSGDMCKLKWVEISNEVRKFRTLTELILDAQEHVKNPYKGKLLKHPDF<br>PKKPLTPYFRFFMEKRAKYAKLHPEMSNDLTKILSKKYKELPEKKMKYIQDFQREK<br>QEFERNLARFREDHPDLIQNAKKSIDIPEKPKTPQQLWYTHEKKVYLKVRPDATTKEV<br>KDSLKGQWSQLSDKKRLKWIHKALEQRKEYEEIMRDYIQKHPELNISEEGITKSTLTK<br>AERQLKDKFDGRPTKPPNSYSLYCAELMANMKDVPSTERMVLCSQQWKLKSQKE |

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KDAYHKKCDQKKKDYEVLLRFLESLPEEEQQRVLGEEKMLNINKKQATSPASKKP  
 AQEGGKGGSEKPKRPVSAMFIFSEEKRRQLQEERPELSESELTRLLARMWNDLSEK  
 KKAKYKAREAALKAQSERKPGGEREERGKLPESPKRAEEIWQQSVIGDYLARFKND  
 RVKALKAMEMTWNNMEKKEKLMWIKKAAEDQKRYERELSEMRAPPAATNSSKKMK  
 FQGEPKKPPMNGYQKFSQELLSNGELNHLPLKERMVEIGSRWQRISQSQKEHYKKL  
 AEEQQKQYKVHLDLWVKSLSPQDRAAYKEYISNKRKSMTKLRGPNPKSSRTT

**Purity** > 85% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 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 will be sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** UBTF upstream binding transcription factor, RNA polymerase I [ Homo sapiens ]

**Official Symbol** UBTF

**Synonyms** UBTF; NOR 90; UBF; autoantigen NOR-90; UBF1; UBF-1; NOR-90;

**Gene ID** 7343

**mRNA Refseq** NM\_001076683

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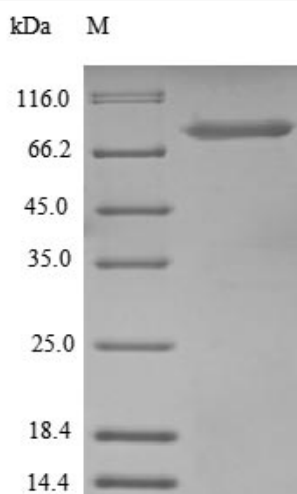
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**Protein Refseq** NP\_001070151

**MIM** 600673

**UniProt ID** P17480



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

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