

# Recombinant Human GNL3L Protein (1-582 aa), His-SUMO-tagged

Cat. No. GNL3L-1121H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human GNL3L Protein (1-582 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-582 aa
<b>Description</b>	Stabilizes TERF1 telomeric association by preventing TERF1 recruitment by PML. Stabilizes TERF1 protein by preventing its ubiquitination and hence proteasomal degradation. Does so by interfering with TERF1-binding to FBXO4 E3 ubiquitin-protein ligase. Required for cell proliferation. By stabilizing TRF1 protein during mitosis, promotes metaphase-to-anaphase transition. Stabilizes MDM2 protein by preventing its ubiquitination, and hence proteasomal degradation. By acting on MDM2, may affect TP53 activity. Required for normal processing of ribosomal pre-rRNA. Binds GTP.
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	81.6 kDa
<b>AA Sequence</b>	MMKLRHKNKKPGEGSKGHKKISWPYPQPAKQNGKKATSKVPSAPHFVHPNDHANR

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EAELKKKWVEEMREKQQAAREQERQKRRTIESYCQDVLRRQEEFEHKEEVLQELN  
MFPQLDDEATRKAYYKEFRKVVEYSVILEVLDARDPLGCRFCQMEEAVLRAQGNK  
KLVVLNLIKIDLPKEVVEKWLDYLRNELPTVAFKASTQHVKNLNRCSVPVDQASES  
LLKSKACFGAENLMRVLGNVCRLGEVVRTHIRVGVVGLPNVGKSSLINSLKRSRACSV  
GAVPGITKFMQEVYLDKFIIRLLDAPGIVPGPNSEVGTILRNCVHVQKLADPVPVETIL  
QRCNLEEISNYYGVSGFQTTEHFLTAVAHRLGKKKKGGLYSQEQAQAVLADWVSG  
KISFYIPPPATHLPTHLSAEIVKEMTEVFDIEDTEQANEDTMECLATGESDELLGDTD  
PLEMEIKLLHSPMTKIADAIENKTTVYKIGDLTGYCTNPNRHQMGWAKRNVDRPKS  
NSMVDVCSVDRRSVLQRIMETDPLQQGQALASALKNKKKMQRADKIASKLSDSM  
MSALDLSGNADDGVGD

**Purity** > 90% 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 with concentration instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** GNL3L guanine nucleotide binding protein-like 3 (nucleolar)-like [ Homo sapiens ]

**Official Symbol** GNL3L

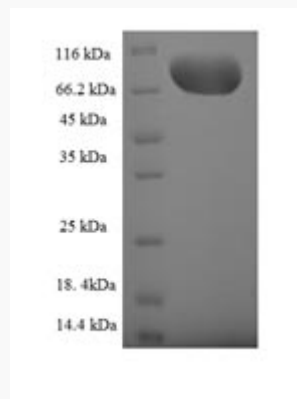
**Synonyms** GNL3L; FLJ10613; novel GTPase; RP11-353K22.1;

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Gene ID	54552
mRNA Refseq	NM_001184819
Protein Refseq	NP_001171748
UniProt ID	Q9NVN8



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

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