

# Product information



## EIF5A2, 1-153aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0596

**Full name:** Eukaryotic translation initiation factor 5A2

**NCBI Accession No.:** NP\_065123

**Description:** EIF5A2, a member of eukaryotic initiation factor 5A subfamily, is an essential protein tightly linked to cellular polyamine homeostasis. The precise role of eIF-5A in protein biosynthesis is not known but it functions by promoting the formation of the first peptide bond during the initial stage of protein synthesis. It seems to be the only eukaryotic protein to have a hypusine residue, which is a post-translational modification of a lysine by the addition of a butylamino group. Recombinant human EIF5A2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p><b>Form:</b> Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol</p> <p><b>Molecular Weight:</b> 18.9 kDa(173aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 85% by SDS - PAGE</p> <p><b>Concentration:</b> 0.5 mg/ml (determined by Bradford assay)</p>	<p>(kDa)</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MADEIDFTTG DAGASSTYPM QCSALRKNGF VVLKGRPCKI VEMSTSKTGK HGHAQVHLVG IDIFTGKKYE DICPSTHNMD VPNIKRDYQ LICIQDGYLS LLTETGEVRE DLKLPEGELG KEIEGKYNAG EDVQVSMCA MSEEYAVAIAK PCK</p>	

### General references:

Guan XY., *et al.* (2010) *Hepatology*. 51(4):1255-63.

Luk JM., *et al.* (2009) *Int J Cancer*. 127(4):968-76.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Avoid repeated freezing and thawing cycles.

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