

# Recombinant Human EIF2D Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** EIF2D-5604H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	LGTN MS Standard C13 and N15-labeled recombinant protein (NP_008824) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a translation initiation factor involved in the recruitment and delivery of aminoacyl-tRNAs to the P-site of the eukaryotic ribosome in a GTP-independent manner. This gene was previously referred to as ligatin, but is now known to localize to the cytoplasm and localize and function with translation factors. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Molecular Mass</b>	64.7 kDa
<b>AA Sequence</b>	MFAKAFRVKSNTAIKGSRRKLRADVTTAFPTLGTDQVSELVPGKEELNIVKLYAHK GDAVTVYVSGGNPILFELEKNLYPTVYTLWSYPDLLPTFTTWPLVLEKLVGGADLML PGLVMPPAGLPQVQKGDLCALVGNRAPVAIGVAAMSTAEMLTSGLKGRGFSVLH TYQDHLWRSGNKSSPPSIAPLALDSADLSEEKGSVQMDSTLQGDMRHMTLEGEEE NGEVHQAREDKSLSEAPEDTSTRGLNQDSTDSKTLQEQMDELLQQCFHLALKCRV KKADLPLLTSTFLGSHMFSCCPEGRQLDIKKSSYKLSKFLQQMQQEIIQVKELSK GVESIVAVDWKHPRITSFVIPEPSPTSQTIQEGSREQPHYHPPDIKPLYCVPASMTLLF QESGHKKGSFLEGSEVRTIVINYAKKNLVDADNKNLVRLDPILCDCILEKNEQHTVM

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KLPWDSLLTRCLEKLQPAYQVTLPGQEPIVKKGRICPIDITLAQRASNKKVTVVRNLE  
 AYGLDPYSVAAILQQRCQASTTVNPAPGAKDSLQVQIQGNQVHHLGWLLLEEYQLP  
 RKHIQGLEKALKPGKKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** EIF2D eukaryotic translation initiation factor 2D [ Homo sapiens (human) ]

**Official Symbol** EIF2D

**Synonyms** EIF2D; eukaryotic translation initiation factor 2D; LGTN; ligatin; hepatocellular carcinoma-associated antigen 56; HCA56;

**Gene ID** 1939

**mRNA Refseq** NM\_006893

**Protein Refseq** NP\_008824

**MIM** 613709

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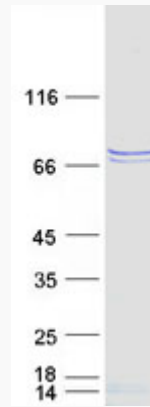
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UniProt ID

P41214

SDS-PAGE



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