

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

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

SPECIFICATION

Product Overview	LGTM MS Standard C13 and N15-labeled recombinant protein (NP_008824) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	64.7 kDa
AA Sequence	MFAKAFRVKSNTAIKGSDDRRKLRADVTTAFPTLGTDQVSELVPGKEELNIVKLYAHK GDAVTVYVSGGNPILFELEKNLYPTVYTLWSYPDLLPTFTTWPLVLEKLVGADLML PGLVMPPAGLPQVQKGDLCALSLVGNRAPVAIGVAAMSTAEMLTSGLKGRGFSVLH TYQDHLWRSGNKSSPPSIAPLALDSADLSEEKGSVQMDSTLQGDMRHMTLEGE NGEVHQAREDKSLSEAPEDTSTRGLNQDSTDSKTLQEQMDELLQQCFHALKCRV KKADLPLLTSTFLGSHMFSCCPEGRQLDIKKSSYKKLSKFLQQMQQEIIQVKELSK GVESIVAVDWKHPRITSFVIPEPSPTSQTIQEGSREQPYHPPDIKPLYCVPASMTLLF 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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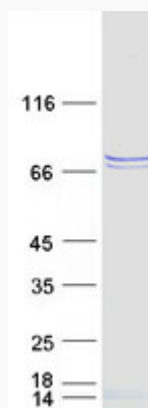
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UniProt ID

P41214

SDS-PAGE

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