

Product datasheet for **TP321404**

eIF3s8 (EIF3C) (NM_003752) Human Recombinant Protein

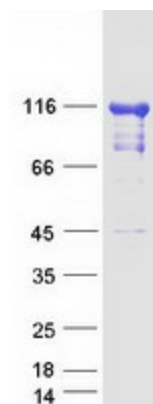
Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human eukaryotic translation initiation factor 3, subunit C (EIF3C), transcript variant 1, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC221404 representing NM_003752 Red =Cloning site Green =Tags(s) |
| | <p>MSRFFTTGSDSESESSLGSEELVTKPVGGNYGKQPLLLSEDEEDTKRVRSKDKRFEELTNLIRTIRNA MKIRDVTKCLEEFELLGKAYGKAKSIVDKEGVPRFYRILADLEDYLNELWEDKEGKKKMNKNNAKALST LRQKIRKYNRDFESHITSYKQNPEQSADEDAEKNEEDSEGSSDEDEDEDGVSAAATFLKKKSEAPSGESRK FLKKMDEDEDESEDEDEDEDWDTGSTSSDSDSEEEEGKQTALASRFLKKAPTDEDKKAEEKKREDKAKK KHDRKSKRLDEEEEDNEGGEWERVRGGVPLVKEKPKMFAKGTEITHAVVIKKLNEILQARGKKGTDRAAQ IELLQLLVQIAAENNLGEGVIVKIKFNIIASLYDYNPNLATYMKPEMWGKCLDCINELMDILFANPNIFV GENILEESENHNADQPLRVGRCILTLVERMDEEFTKIMQNTDPHSQEYVEHLKDEAQVCAIIEERVQRYL EEKGTTEEVCRIYLLRILHTYKFDYKAHQRLTPPEGSSKSEQDQAENEGEDSAVLMERLCKYIYAKDR TDRIRTCAILCHYHHLHSRWYQARDLMLMSHLQDNIQHADPPVQILYNRTMVQLGICAFRQGLTKDAH NALLDIQSSGRAKELLGQGLLLRSLQERNQEKEVERRRQVPFHLHINLELLECVYLVSAMLLEIPYMAA HESDARRRMISKQFHHQLRVGERQPLLGPPESMREHVVAASKAMKMGDWKTCHSFIINEKMNGKVWDLFP EADKVRTMLVRKIQEESLRTYLFTYSSVYDSISMETLSDMFELDLPTVHSIISKMIINEELMASLDQPTQ TVMHRTEPTAQQLALQLAEKLGSLVENNERVFDHKQGTYGGYFRDQKDG YRKNEGYMRRGGYRQQSQ TAY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-Myc/DDK |
| Predicted MW: | 105.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |



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|--------------------------|--|
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_003743 |
| Locus ID: | 8663 |
| UniProt ID: | Q99613 |
| RefSeq Size: | 3027 |
| Cytogenetics: | 16p11.2 |
| RefSeq ORF: | 2739 |
| Synonyms: | eIF3-p110; EIF3CL; EIF3S8 |
| Summary: | <p>Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).</p> <p>[UniProtKB/Swiss-Prot Function]</p> |
| Protein Families: | Druggable Genome |

Product images:

Coomassie blue staining of purified EIF3C protein (Cat# TP321404). The protein was produced from HEK293T cells transfected with EIF3C cDNA clone (Cat# [RC221404]) using MegaTran 2.0 (Cat# [TT210002]).