

Product datasheet for TP317820M

C14orf102 (NM_199043) Human Recombinant Protein

Product data:

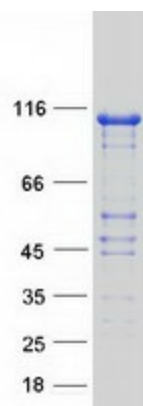
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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human chromosome 14 open reading frame 102 (C14orf102), transcript variant 2, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC217820 representing NM_199043 Red =Cloning site Green =Tags(s) |
| | <p>MALFPAFAGLSEAPDGGSSRKELDWLSNPSFCVGSITSLSQQTEAAPAHVSEGLPLTRSHLKSESSDESD TNKKLKQTSRKKKKEKKKKRKHQHKKTKRKHGPPSSSRSETDTDSEKDKPSRGVGGSKKESEEPNQGN AAADTGHRFWLEDIQAVTGETFRDTPANWEYKSLYRGDIARYKRKGDSCLGINPKKQCISWEGTS TEKKHSRKQVERYFTKKSGLMNIDGVAISSKTEPPSSEPIFIPVKDLEDAAPVTTWLNPLGIYDQSTT HWLQGGPPEQESKQPDAPDSESAALKAKVEEFNRRVRENPRDTQLWMAFVAFQDEVKSPGLYAIIEG EQEKRRSLKLEKLAILEKLAIESNQSSVDLKLAKLKLCTEFWEPSTLVKEWQKLIFLHPNNTALWQK YLLFCQSQFSTFSISKIHSLYGKCLSTLSAVKDGSIHPALPGTEAMFALFLQQCHFLRQAGHSEKAI SLFQAMVDFTFFPKPDSVKDLPTKGQVEFFEPFWDSEPRAGEKARGWKAWMHQQRGGWVWINPDEDDD EPEEDDQEIKDKTLPRWQIWLAAERSRDRHWRPWRPDKTKKQTEEDCEDPERQVLFDDIGQSLRLSSH DLQFQLVEAFLQFLGVPSGFTPPASCLYLAMDENSIFDNGLYDEKPLTFNPLFSGASCVGRMDRLGYPR WTRGQNREGEEFIRNVFHLVMPFLFSGKEKSQLCFSWLQYEIAKVIWCLHTKNKKRKLKSGKNCKKLAKNL LKEPENCNFFLWKQYAHLEWLLGNTEDARKVFDALGMAGSRELKDSLCELSLLYAELEVELSPEVRR AATARAVHILTKLESPYGPYTGQVLAVHILKARKAYEHALQDCLGDSVSNPAPTDCSRLISLAKCF MLFQYLTIGIDAAVQIYEQVFAKLNSSVFPEGS GEGDSASSQSWTSVLEAITLMHTSLLRFHMKVSVYPL APLREALSQALKLYPGNQVLWRSYVQIQNKSHSASKTRRRFFDTITRSKPLEPWLFAIEAEKLRKRLVET VQRLDGREIHATIPETGLMHRIQALFENAMRSDSGSQCPDLLWRMYLNFVLSLGNKERSKGVFYKALQSCP WAKVLYLDAVEYFPDEMQEILDLMTEKELRVRLPLEEELLEDD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-Myc/DDK |
| Predicted MW: | 106.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |



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| | |
|----------------------|---|
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| 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_950244 |
| Locus ID: | 55051 |
| UniProt ID: | Q9H7Z3 |
| RefSeq Size: | 3480 |
| Cytogenetics: | 14q32.11 |
| RefSeq ORF: | 2802 |
| Synonyms: | FLJ10008; FLJ14051 |
| Summary: | Protein of the nuclear speckles that regulates RNA degradation and export from the nucleus through its interaction with MTREX an essential factor directing various RNAs to exosomal degradation (PubMed:30842217). Changes the conformation of MTREX, precluding its association with the nuclear exosome and interaction with proteins required for its function in RNA exosomal degradation (PubMed:30842217). Negatively regulates, for instance, the degradation of mRNAs and lncRNAs by inhibiting their MTREX-mediated recruitment to nuclear exosome (PubMed:30842217). By preventing the degradation of RNAs in the nucleus, it promotes their export to the cytoplasm (PubMed:30842217).[UniProtKB/Swiss-Prot Function] |

Product images:



Coomassie blue staining of purified C14orf102 protein (Cat# [TP317820]). The protein was produced from HEK293T cells transfected with C14orf102 cDNA clone (Cat# [RC217820]) using MegaTran 2.0 (Cat# [TT210002]).