

PRODUCT INFORMATION

| Target | p16 |
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| Synonyms | CDKN2a;ARF;MLM;P14;P19;CMM2;INK4;MTS1;TP16;CDK4;CDKN2;INK4A;MTS-1;P14ARF;P19ARF;P16INK4;P16INK4A;P16-INK4A |
| Description | Recombinant Human p16(110-139) Protein with N-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P42771 |
| Expression Host | HEK293 |
| Tag | N-Human Fc Tag |
| Molecular Characterization | hFc(Glu99-Ala330) p16(Trp110-Gly139) |
| Molecular Weight | The protein has a predicted molecular mass of 29.4 kDa after removal of the signal peptide. The apparent molecular mass of hFc-p16(110-139) is approximately 25-35 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage & Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | and store at -our C (Avoid repeated freezing and thaving). Lyophilized proteins are singled at antibient temperature. This gene generates several transcript variants which encode structurally related isoforms known to function as encoding distinct proteins have been reported, two of which encode structurally related isoforms known to function as inhibitors of CDK4 kinase. The remaining transcript includes an alternate first exon located 20 K bugsteam of the remainder ourrelated to the products of the other variants. This ARF product functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, the E3 ubiquith-protein ligase MDA2, a protein responsible for the degradation of p53. In spite of the structural and functional differences, the CDK inhibitor isoforms and the ARF product encoded by this gene, through the regulatory roles of CDK4 and p53 in cell cycle G1 progression, share a common functionality in cell cycle G1 control. This gene is frequently mutated or deleted in a wide variety of tumors, and is known to be an important tumor suppressor gene. [provided by RefSeq. Sep 2012] |
| Usage | Research use only |
| Conjugate | Unconjugated |
| | kDa M R |
| | 130 100 70 55 |

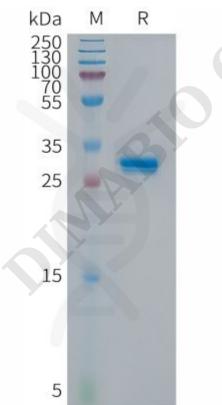


Figure 1.Human p16(110-139) Protein, hFc Tag on SDS-PAGE under reducing condition.

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