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# 32-5562: Recombinant HIV-1 p24 His Tag

## Description

Source : Escherichia Coli. HIV-1 p24 His Tag Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 188 amino acids (155-321 a.a.) and having a molecular mass of 21.2 kDa. The HIV-1 p24 is fused to a 21 amino acid His Tag and purified by conventional chromatography. The HIV1 p24 His Tag protein performs complex orchestrated tasks during the assembly, budding maturation and infection stages of the viral replication cycle. Throughout viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the infected cell. HIV-1 P24 gag, the key capsid protein of the HIV-1 virion, is used in clinical trials as one of the components of the HIV-1 vaccine because of the great extent of sequence homology between different isolates.

## Product Info

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| **Amount :** | 20 µg |
| **Purification :** | Greater than 80.0% as determined by SDS-PAGE. |
| **Content :** | The HIV-1 p24 protein solution contains 20mM Tris-HCl pH-8, 0.1mM PMSF, 0.1M NaCl and 10% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MWVKVVEEKA FSPEVIPMFS ALSEGATPQD LNTMLNTVGG HQAAMQMLKE TINEEAAEWD RLHPVHAGPI APGQMREPRG SDIAGTTSTL QEQIGWMTHN PPIPVGEIYK RWIILGLNKI VRMYSPTSIL DIRQGPKEPF RDYVDRFYKT LRAEQASQEVKNWMTETL. |

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