

HIV1-p24, 155-321aa, HIV-1, His tag, E.coli

Cat.NO.: TP02457

3th Edition

Synonyms:Group-specific antigen – p24, CA, Capsid protein p24

Description:The HIV1 p24 protein performs highly complex orchestrated tasks during the assembly, budding maturation and infection stages of the viral replication cycle. During viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the infected cell. Gag p24, the major capsid protein of the HIV-1 virion, has been used in clinical trials as one of the components of the HIV-1 vaccine because of the high degree of sequence conservation between different isolates.

Form:Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 100 mM NaCl, 0.1 mM PMSF, 10% Glycerol

Molecular Weight:21.2kDa(188aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMWVKVVEEKAFSPEVIPMFSALESGATPQDLNMLNTVGGHQAAMQMLKETINE
EAAEWDR LHPVHAGPIAPGQMREPRGSDIAGTTSTLQEQIGWMTHNPPIPVGEIYKRWILGLNKIVRMYSPTSILDI
RQGPKEPFRDYVDRFYKTLRAEQASQEVKNWMTETL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.