Recombinant HIV1 Nef protein ab185584

1 References

Description

Product name
Recombinant HIV1 Nef protein

Purity
> 90 % SDS-PAGE.
The final product was refolded using temperature shift inclusion body refolding technology and chromatographically purified.

Expression system
Escherichia coli

Accession
AGL78171

Protein length
Full length protein

Animal free
No

Nature
Recombinant

Sequence
MASMTGGQOMGRHHRHHHENLYFQGGF(GKGS)KS
SVGWPAVRERMRRA
EPAADGVGAVSRDLEKHGAITSSNTAANAAACWLE
AQEEEEVFQGPVTQ
VPLRPMTYKAADDLHFLKEKGGLEGLHSQRRQRRLD
LWIHTQGQYFPD
WQNYTPGPGVRYPFTFGVYKLVYVPPDKVEEANKG
ENTLLHPVSLHGM
DDPEREVLWRFDSLAFHHARELHPEFKNC

Predicted molecular weight
26 kDa including tags

Amino acids
1 to 206

Tags
His-T7 tag N-Terminus

Additional sequence information
Derived from NL4-3 strain and constructed with codon optimization and expressed with a small T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal.

Specifications

Our Abpromise guarantee covers the use of ab185584 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications
SDS-PAGE

Form
Liquid

Preparation and Storage
Stability and Storage

- Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -80°C. Avoid freeze / thaw cycle.
- pH: 8.00
- Constituent: 0.32% Tris HCl
- Contains NaCl, KCl, EDTA, arginine, DTT and Sucrose.

General Info

Relevance

Nef is a early protein that appears to play a role in optimizing the host cell environment for viral replication without causing cell death by apoptosis. Nef enhances virus infectivity and pathogenicity. It down modulates surface MHC I molecules and internalized molecules are sequested to the trans-Golgi network. The number of cell surface CD4 antigen are decreased by interacting with the Src family kinase LCK thereby inducing LCK CD4 dissociation and by increasing clathrin-dependent endocytosis of this antigen to target it to lysosomal degradation.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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