Recombinant FIV p15 Antigen, His tagged

Cat. No. p15-081F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	p15 is the FIV N-terminal subunit of the retroviral gag polyprotein and has been expressed as a recombinant antigen fused to a trxA and a his-tag in its N terminus.
Species	FIV
Source	E.coli
Description	p15 is the feline immunodeficiency virus"s matrix protein and corresponds to the retroviral Gag polyprotein"s N-terminal subunit. This Gag protein is involved in the architecture of the viral particle, and it is essential for the infectivity of the virus. Corresponds to the p17 in HIV and SIV, which is ultimately localized to the inner surface of the virion membrane.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, is at the molecular markers of 35 kDa, while relative molecular mass calculated from amino acid sequence is 35577.43 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.

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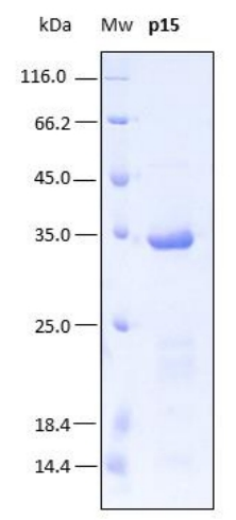
Storage Buffer	20 mM phosphate buffer pH 8, 0.15 M NaCl and 0.1% polyoxyethylene (10) tridecylether
Concentration	1.23 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Serrière, J., Robert, X., Perez, M., Gouet, P. and C. Guillon. Biophysical characterization and crystal structure of 1.1. Feline Immunodeficiency Virus p15 matrix protein. 2013 Retrovirology, 10:64. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	 SDS-PAGE analysis (15%) of 3 µL of recombinant p15 FIV. Purity is >95% as determined by gel electrophoresis.

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