

Active Recombinant Rhesus macaque/Cynomolgus CFD protein, His-tagged

Cat. No. CFD-3029R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus macaque/Cynomolgus CFD protein(Ile 26-Ala 253), fused with His tag, was expressed in HEK293.
Species	Cynomolgus/Rhesus macaque
Source	HEK293
ProteinLength	Ile 26-Ala 253
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0. Normally glycerol is added as protectant before lyophilization.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, N-carbobenzyloxy-L-lys-ThioBenzyl ester (Z-Lys-SBzl), in the presence of 5,5'Dithio-bis (2-nitrobenzoic acid) (DTNB). The specific activity is >40 pmol/min/µg.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 26.5 kDa. The protein migrates as 25-27 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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