

# Cynomolgus CD34 Protein, Ultra Low Endotoxin

Cat. No. CD3-CM134-UL

## Description

<b>Source</b>	Recombinant Cynomolgus CD34 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asn39-Thr295.
<b>Accession</b>	A0A2K5UCU4
<b>Molecular Weight</b>	The protein has a predicted MW of 28.37 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

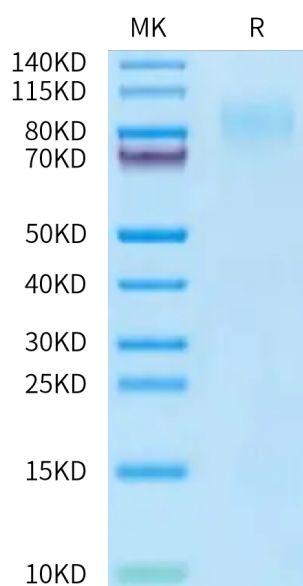
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

CD34 is a transmembrane phosphoglycoprotein, first identified on hematopoietic stem and progenitor cells. Clinically, it is associated with the selection and enrichment of hematopoietic stem cells for bone marrow transplants. Due to these historical and clinical associations, CD34 expression is almost ubiquitously related to hematopoietic cells, and it is a common misconception that CD34-positive (CD34(+)) cells in nonhematopoietic samples represent hematopoietic contamination.

## Assay Data

### Bis-Tris PAGE



Cynomolgus CD34 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.