

# Recombinant Mouse Cd34 Protein, C-His-tagged

## Product Information

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<b>Cat</b>	IMP-4218
<b>Official Symbol</b>	Cd34
<b>Product Overview</b>	Recombinant extracellular domain of mouse CD34 (NP_001104529.1) (Met 1-Thr 287) was expressed, with a polyhistidine tag at the C-terminus.
<b>Description</b>	Cluster of Differentiation 34 (CD34) is a member of a family of single-pass transmembrane sialomucin proteins, and may function as a cell-cell adhesion factor. CD34 protein is selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues. It has been widely used as a stem and progenitor cell marker, and clinical CD34+ stem cell transplantation (CD34+SCT) has been performed for tumor purging. CD34 monoclonal antibodies are widely used to identify and isolate hemopoietic progenitors and to classify acute and chronic leukemias.
<b>Expression System</b>	HEK293
<b>Species</b>	Mouse
<b>Tag</b>	C-His
<b>Predicted N Terminal</b>	Thr 35
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
<b>Molecular Mass</b>	The recombinant mouse CD34 consists of 264 amino acids and has a predicted molecular mass of 28.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCD34 is approximately 50-60 kDa due to glycosylation.
<b>Protein length</b>	Met1-Thr287
<b>Endotoxin</b>	< 1.0 EU/μg of the protein as determined by the LAL method
<b>Purity</b>	> 98 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
<b>SDS-PAGE</b>	

