

Recombinant Human Hematopoietic progenitor cell antigen CD34/CD34 (C-6His)



Catalog Number:PKSH033931

Note: Centrifuge before opening to ensure complete recovery of vial contents.

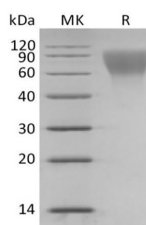
Description

Synonyms	Hematopoietic progenitor cell antigen CD34;CD34
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser32-Thr290
Accession	P28906
Calculated Molecular Weight	28.3 kDa
Observed molecular weight	60-90 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human CD34 is high glycosylated type I transmembrane protein, and it could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. CD34 is found on multipotent precursors, bone marrow stromal cells, embryonic fibroblasts, vascular endothelia, as well as some populations of mesenchymal stem cells, and tumor cell lines, and it is a common marker for diverse progenitors.

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