

32-17133: Recombinant Human CD44 Protein with C-terminal 6 \AA —His tag

Alternative Name : CD44,CDW44,CSPG8,ECMR-III,HCELL,HUTCH-I,IN,LHR,MC56,MDU2,MDU3,MIC4,Pgp1,Epican

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 22.9 kDa after removal of the signal peptide. The apparent molecular mass of CD44-His is approximately 35-55 kDa due to glycosylation.

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

Product Info

Amount :	50 μ g
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

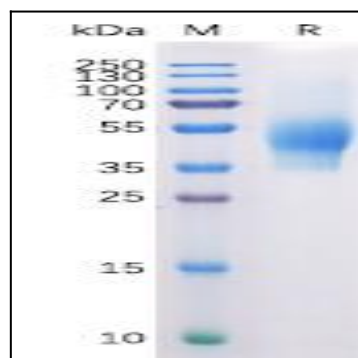


Figure 1. Human CD44 Protein, His Tag on SDS-PAGE under reducing condition.