



Recombinant Human CD44 Hyaluronic Acid-binding Domain

(rhCD44-HABD)

Catalog Number: 01-0007

Description

CD44 is a transmembrane receptor for hyaluronic acid (HA) that is functional in HA metabolism, cell migration and cell adhesion. CD44 hyaluronic acid-binding domain (CD44-HABD) is a highly conserved link module located in the amino-terminal portion of the extracellular domain mediates CD44 binding to HA. It is reported that soluble CD44-HABD inhibits tumor growth and angiogenesis. And the tumor growth- and angiogenesis-inhibiting effect of CD44-HABD is independent of HA binding. CD44-HABD blocks cell proliferation in an endothelial cell-specific manner.

AA sequence

MAQIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFETCRY
GFIEGHVVIPRIHPNSICAAANTGVYILTSNTSQYDTYCFNASAPPEEDCTSVTDLPNAFDG
PITITIVNRDGRYVQKGEYRTNPEDIYPSNPTDDDVGGSGGSLNDIFEAQKIEWHEGGS
LE

Source

Escherichia coli

Molecular Weight

Approximately 20.4 kDa, a single non-glycosylated polypeptide chain containing 186 amino acids.

Purity

>98% by SDS-PAGE

Physical Appearance

White lyophilized powder or solution

Formulation

Lyophilized from a 0.2 μ m filtered concentrated solution with 20mM PBS, pH 7.0

Reconstitution

Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0mg/ml.

storage

Store at -20 °C after receiving. Upon reconstitution, store at 2-8 °C for up to two weeks. For maximal stability, aliquot and store at -20 °C. Avoid repeated freeze/ thaw cycles.

PRICE

RMB 1512 /10 μ g; RMB 6048 /50 μ g

Usage

***This product is for research use only.**