

37-1336: Mouse ADAM9 Recombinant Protein (His Tag)(Discontinued)

Reactivity : Mouse

Alternative Name : AU020942 Protein, Mouse; MDC9 Protein, Mouse; mKIAA0021 Protein, Mouse; Mltng Protein, Mouse

Description

Source : HEK293 Cells

ADAM9 (A disintegrin and metalloproteinase domain 9, MDC9, meltrin gamma), is a type 1 transmembrane protein that has been associated with cancer development and metastases. ADAM9 is consistently overexpressed in various human cancers, and plays a role in tumorigenesis in mouse models. ADAM9 cleaves and releases a number of molecules with important roles in tumorigenesis and angiogenesis, such as EGF, FGFR2iiib, Tie-2, Flk-1, EphB4, CD4, VCAM-1, and VE-cadherin, and could represent a potential therapeutic target in tumors where it is highly expressed. ADAM9 belongs to a family of transmembrane, disintegrin-containing metalloproteinases involved in protein ectodomain shedding and cell-cell and cell-matrix interactions. ADAM-9 adhesive domain plays a role in regulating the motility of cells by interaction with beta1 integrins and modulates MMP synthesis.

Product Info

Amount : Mouse ADAM9 Recombinant Protein (His Tag)(Discontinued) / 50 µg

Purification : > 87 % as determined by SDS-PAGE

Content : Formulation Lyophilized from sterile PBS, pH 7.4
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid : Met1-Asp697

Application Note

Endotoxin :< 1.0 EU per μg of the protein as determined by the LAL method

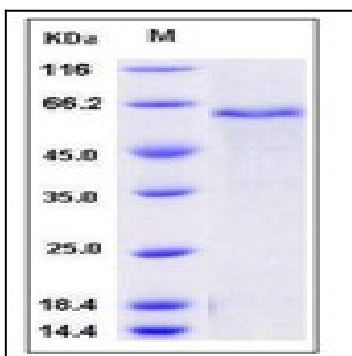


Fig 1: Mouse ADAM9 Recombinant Protein (His Tag)