

Recombinant Mouse ADAM9 Protein (His Tag)

Catalog Number: PKSM040887

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

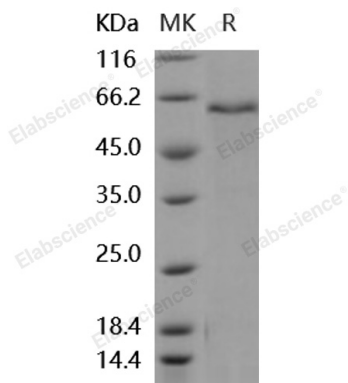
Description

Species	Mouse
Mol_Mass	74.9 kDa
Accession	Q61072
Bio-activity	Not validated for activity

Properties

Purity	> 87 % 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 sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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



> 87 % as determined by reducing SDS-PAGE.

Background

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, FGFR2iib, Tie-2, Flk-1, EphB4, CD40, 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.

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