Recombinant Protein Technical Manual

Recombinant Mouse ADAM9 Protein (His Tag)

RPES5043

Product Data:

Product SKU: RPES5043

Size: 20µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: Q61072

Protein Information:

Molecular Mass: 74.9 kDa

AP Molecular Mass:

Tag: C-His

Bio-activity:

Purity: > 87 % as determined by SDS-PAGE

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

Storage: 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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: AU020942;MDC9;mKIAA0021;Mltng

Immunogen Information:

Sequence: Met 1-Asp 697

Background:

ADAM9 (A disintegrin and metallopeptidase 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, EphB4, CD40, VCAM, 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.