Recombinant Human ADAM8/CD156a Protein (His Tag)

Catalog Number: PDMH100073

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

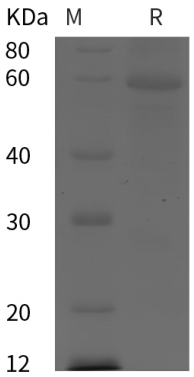
Description

Species	Human
Source	HEK293 Cells-derived Human ADAM8/CD156a protein Met1-Ser653, with an C-terminal His
Calculated MW	71.7 kDa
Observed MW	60 kDa
Accession	P78325
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg 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 a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human ADAM8/CD156a proteins, 2 μg/lane of Recombinant Human ADAM8/CD156a proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 60 kDa.

Background

ADAM8, also known as cell surface antigen MS2 or CD156a, is a member of the ADAM family that contains a disintegrin and metalloprotease-like domain. ADAM8 can cleave a variety of substrates and has been shown as a sheddase for the low affinity IgE receptor CD23 and the neural recognition molecule CHL1. Expression and regulation studies suggest that ADAM8 is a novel osteoclast stimulating factor and may play a role in asthma. It can be activated and assayed under the conditions described in the Activity Assay Protocol.

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