Human ADAM8 / CD156a Protein, His Tag

Catalog # AD8-H5223

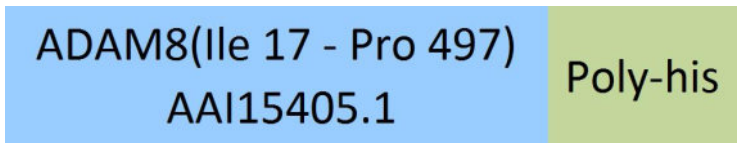
Synonym

ADAM8,MS2,CD156a

Source

Human ADAM8, His Tag (AD8-H5223) is expressed from human 293 cells (HEK293). It contains AA Ile 17 - Pro 497 (Accession # AAI15405.1).
Predicted N-terminus: Ile 17

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 53.8 kDa. Two main fragments bands are visible with apparent MW of 57-65 kDa and 35-40 kDa respectively in reduced SDS-PAGE as a result of its being prone to proteolytic cleavage.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

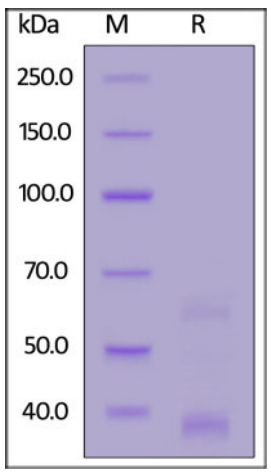
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human ADAM8, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Background

Disintegrin and metalloproteinase domain-containing protein 8 is also known as ADAM8, Cell surface antigen MS2 and CD antigen CD156a, which belongs to the ADAM (a disintegrin and metalloprotease domain) family. ADAM family play a fundamental role in diverse processes such as asthma, development, angiogenesis and cancer through their activities in cell adhesion/fusion, membrane protein shedding, and signal transduction. ADAM8 / CD156a contains 1 disintegrin domain, 1 EGF-like domain and 1 peptidase M12B domain. ADAM8 / MS2 / CD156a is expressed on neutrophils and monocytes. ADAM8 / MS2 possible involvement in extravasation of leukocytes.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.