Recombinant Human ICAM5 Protein(His Tag)

Catalog Number: PDMH100224

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

Description

Species	Human
Source	Mammalian-derived Human ICAM5 proteins Glu32-Trp835, C-terminal His
Calculated MW	88.3 kDa
Observed MW	100-120 kDa
Accession	Q9UMF0
Bio-activity	Not validated for activity

Properties

Purity	>90% 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 ℃. 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 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
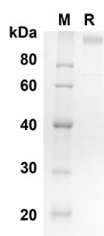
SDS-PAGE analysis of Human ICAM5 proteins, 2 μg/lane of Recombinant Human ICAM5 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 88.3 KD

Background

The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is expressed on the surface of telencephalic neurons and displays two types of adhesion activity, homophilic binding between neurons and heterophilic binding between neurons and leukocytes. It may be a critical component in neuron-microglial cell interactions in the course of normal development or as part of neurodegenerative diseases.

For Research Use Only

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