Recombinant Human TEM8/ATR Protein (His Tag)

Catalog Number: PKSH033297

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

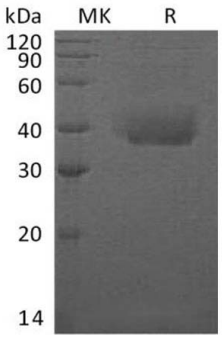
Description

Species	Human
Source	HEK293 Cells-derived Human TEM8/ATR protein Glu33-Lys321, with an C-terminal His
Calculated MW	33.6 kDa
Observed MW	35-45 kDa
Accession	Q9H6X2-4
Bio-activity	Not validated for activity

Properties

Purity	> 95 % 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 ℃. 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 of 20mM PB, 150mM NaCl, 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



> 95 % as determined by reducing SDS-PAGE.

Background

Anthrax Toxin Receptor 1 (ANTXR1) is a single-pass type I membrane protein that belongs to the ATR family. ANTXR1 contains one VWFA domain and binds PA through the VWA domain. ANTXR1 is highly expressed in tumor endothelial cells. ANTXR1 plays a role in cell attachment and migration. ANTXR1 interacts with extracellular matrix proteins and the actin cytoskeleton; it mediates adhesion of cells to type 1 collagen and gelatin; reorganization of the actin cytoskeleton and promotes cell spreading. It is also involved in the angiogenic response of cultured umbilical vein endothelial cells; up-regulated in cultured angiogenic umbilical vein endothelial cells. Defects in ANTXR1 are associated with susceptibility to hemangioma capillary infantile (HCI).

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