

Human recombinant CD326 protein, AF

Catalog Number: PROTP16422-4

Overview

Product Name	Human recombinant CD326 protein, AF
Description	Human CD326 also called epithelial cellular adhesion molecule (EpCAM), which is a 28 kDa protein containing 242 amino acid residues. Human CD326 is a transmembrane glycoprotein, which is a marker of cancer. CD326 induces the expression of c-myc, cyclins A & E and e-fabp which is involved the cancer cell proliferation and migration.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>95% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 28.36 kDa. The protein migrates as 30 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by the ability of the immobilized protein to support the adhesion of the 3T3 cells. The ED₅₀ for this effect is 0.2-1.7 ng/mL.

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MQEEVCENYKLAVNCFVNNNRQCQCTSVGAQNTVICKLAALKCLVMKAEMNGSKLGRRAKPEGALQNNDGLYDPDCDESGLFKAKQCNGTSMC
WCVNTAGVRRTDKDTEITCSERVRTYWIIILKHKAREKPYDSKSLRTALQKEITTRYQLDPKFITSILYENNVITIDLVQNSSQKTQNDVDIADVAYYFEK
DVKGESLFHSHKMDLTVNGEQDLDPGQTLIYYVDEKAPEFSMQGLK with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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