Recombinant Human APN Protein (Fc Tag)

RPES8388

Product Information

Product SKU:	RPES8388	**Expression Host**:	Mammalian	**Size**:	20µg
Tag:	C-Fc	**Reactivity**:	Human	**Accession**:	P15144

Additional Information

Calculated MW:	123.8 kDa	**Observed MW:**	120-130 kDa
Sequence:	Lys69-Lys967		

Protein Information

Background: Aminopeptidase N (ANPEP or APN), also known as CD13, is a cell-surface metalloprotease located in the small-intestinal and renal microvillar membrane, as well as other plasma membranes. It belongs to the peptidase M1 family. CD13 plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases and is involved in the metabolism of regulatory peptides by diverse cell types. CD13/APN is a potent regulator of angiogenesis which is essential for tumor invasion and metastasis, and its transcription in activated endothelial cells is induced by angiogenic growth factors via the RAS/MAPK pathway. In addition, this enzyme has been shown to participate in antigen processing and presentation, and accordingly, defects in this gene appear to be a cause of various types of leukemia or lymphoma and carcinomas.

Synonyms: LAP, ANPEP, APN, CD13, GP150, LAP1, P150, PEPN, Aminopeptidase N, AP-M, AP-N, CD13 antigen, CD13APN, PEPNhAPN, gp150, Alanyl (membrane) aminopeptidase, Alanyl aminopeptidase, Aminopeptidase M, AMPN, AP M, AP N, CD 13, hAPN, LAP 1, Microsomal aminopeptidase, Myeloid plasma membrane glycoprotein CD13

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Contact Details | Dublin, Ireland
Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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.

Contact Details | Dublin, Ireland
Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com