

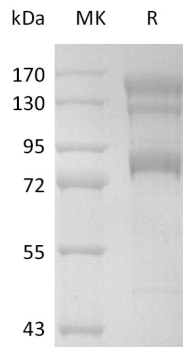
Product Name: Recombinant Human Integrin alpha V beta 8 Heterodimer (C-6His)
Catalog #: PHH2364

概述 (Summary)

英文全称	Integrin alpha V beta 8 Heterodimer
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Integrin Alpha V & Beta 8 is produced by our Mammalian expression system and the target gene encoding Phe31-Val992&Glu43-Arg684 is expressed with a 6His tag at the C-terminus.
Accession #	P06756&P26012
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	111.3&75.4 KDa
蛋白形态 (Form)	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCl, 100 mM NaCl, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

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背景 (Background)

分子别名 (Alternative Names)

Integrin alpha V beta 8; ITGAV&ITGB8

背景介绍 (References)

Integrin alpha V beta 8 is one of five alpha V integrins, is expressed in yolk sac, placenta, brain perivascular astrocytes, Schwann cells, renal glomerular mesangial cells and pulmonary epithelial cells. Unlike other alpha V integrins, ITGAVB8 does not appear to assume different activation states, and the cytoplasmic tail does not connect to the cytoskeleton. It binds ligands containing an RGD motif, including vitronectin, fibrin and the latency associated peptide (LAP) of the latent TGF-beta complex. High affinity binding of alpha V beta 8 to LAP allows proteolytic cleavage by MT1-MMP, which releases active TGF-beta. This mechanism differs from that of alpha V beta 6, the other alpha V integrin which can activate TGF-beta from latency through non-proteolytic mechanisms. Downstream effects of TGF-beta activation include control of cell growth and associated vascularization. Deletion of either alpha V or beta 8 reveals that alpha V beta 8 is required for vascular morphogenesis in the embryonic brain and yolk sac.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.