上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co.， Ltd
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产品名称	Recombinant Human FAP Protein
别名	重组人FAP蛋白 | 重组人成纤维细胞激活蛋白
英文别名	170 kDa melanoma membrane bound gelatinase | 170 kDa melanoma membrane -bound gelatinase | DPPIV | FAP | FAPA | Fibroblast activation protein alpha | Integral membrane serine protease | SEPR_HUMAN | Seprase
规格或纯度	无动物源,无载体,His标签,PBS Only,≥90%(SDS-PAGE)
生化机理	Seprase, also known as 17 kDa melanoma membrane-bound gelatinase , Fibroblast activation protein alpha, Integral membrane serine protease and FAP, is a single-pass type II membrane protein which belongs to thepeptidase S9B family. Seprase / FAP is found in cell surface lamellipodia, invadopodia and on shed vesicles. Seprase / FAP appears to act as a proteolytically active 17-kDa dimer, consisting of two 97-kDa subunits. It is a member of the group type II integral serine proteases, which includes dipeptidyl peptidase IV (DPPIV / CD26) and related type II transmembrane prolyl serine peptidases, which exert their mechanisms of action on the cell surface. Seprase / FAP colocalized with DPP4 in invadopodia and lamellipodia of migratory activated endothelial cells in collagenous matrix. Seprase / FAP colocalized with DPP4 on endothelial cells of capillary-like microvessels but not large vessels within invasive breast ductal carcinoma. DPP4 and seprase exhibit multiple functions due to their abilities to form complexes with each other and to interact with other membrane-associated molecules. In association with DPP4, Seprase / FAP is involved in the pericellular proteolysis of the extracellular matrix (ECM), the migration and invasion of endothelial cells into the ECM. Seprase / FAP has a dual function in tumour progression. The proteolytic activity of Seprase has been shown to promote cell invasiveness towards the ECM and also to support tumour growth and proliferation. Seprase / FAP may have a role in tissue remodeling during development and wound healing, and may contribute to invasiveness in malignant cancers. Post-translational: N-glycosylated. The N-terminus may be blocked.
生物活性	Testing in progress
内毒素水平	<1.0 EU/μg
表达系统	CHO
种属	人(Human)
氨基酸	26-760 aa

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序列	HHHHHHHHLRPSRVHNSEENTMRALTLKDILNGTFSYKTFFPNWISGQE YLHQSADNNIVLYNIETGQSYTILSNRTMKSVNASNYGLSPDRQFVYLE SDYSKLWRYSYTATYYIYDLSNGEFVRGNELPRPIQYLCWSPVGSKLAY VYQNNIYLKQRPGDPPFQITFNGRENKIFNGIPDWVYEEEMLATKYALW WSPNGKFLAYAEFNDTDIPVIAYSYYGDEQYPRTINIPYPKAGAKNPVV RIFIIDTTYPAYVGPQEVPVPAMIASSDYYFSWLTWVTDERVCLQWLKR VQNVSVLSICDFREDWQTWDCPKTQEHIEESRTGWAGGFFVSTPVFSYD AISYYKIFSDKDGYKHIHYIKDTVENAIQITSGKWEAINIFRVTQDSLFYS SNEFEEYPGRRNIYRISIGSYPPSKKCVTCHLRKERCQYYTASFSDYAKY YALVCYGPGIPISTLHDGRTDQEIKILEENKELENALKNIQLPKEEIKKLE VDEITLWYKMILPPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISYL ASKEGMVIALVDGRGTAFQGDKLLYAVYRKLGVYEVEDQITAVRKFIE MGFIDEKRIAIWGWSYGGYVSSLALASGTGLFKCGIAVAPVSSWEYYAS VYTERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLIHGTADDNV HFQNSAQIAKALVNAQVDFQAMWYSDQNHGLSGLSTNHLYTHMTHFL KQCFSLSD
蛋白标签	N-8His
无载体	Yes
无动物源	Yes
来源	重组表达
预测分子量	88.3 kDa
SDS-PAGE	89.1-106.5 kDa, under reducing conditions; 84.2-102.9 & 211.3-250.0 kDa, under non-reducing conditions.
分子类型	蛋白质
物理形态	冻干(Lyophilized)
储存缓冲液	Lyophilized from PBS, pH 7.4.
复溶	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute at 1.0 mg/mL in sterile distilled water. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
储存条件	-20°C储存,避免反复冻融
运输条件	超低温运输
稳定性与储存	Store at -20°C for 1 year. Avoid freeze/thaw cycle.