9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13689: FAP Human

Format :	The FAP solution (0.25mg/ml) contains 20% Glycerol and Phosphate-Buffered Saline (pH 7.4).
Alternative Name :	Prolyl endopeptidase FAP, 170 kDa melanoma membrane-bound gelatinase, Dipeptidyl peptidase FAP, Fibroblast activation protein alpha, FAPalpha, Gelatine degradation protease FAP, Integral membrane serine protease, Post-proline cleaving enzyme, Serine integral membrane protease, Surface-expressed protease, Seprase, SIMP, FAP

Description

Source:Sf9, Baculovirus cells.
Physical Appearance:Sterile Filtered colorless solution.
Biological ActivitySpecific activity > 5,000 pmol/min/ug. It is defined by the amount of enzyme that hydrolyzes 1.0 pmole of ZGP-AMC per minute at pH 7.5, at 37Â°C.
DPP4 also called adenosine deaminase complexing protein-2, and T-cell activation antigen CD26 is a serine exopeptidase and complex enzyme that is expressed on the surface of most cell types. DPPIV is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. DPP4 plays a role in t-cell activation. DPP4 is associated with intracellular signal transduction, apoptosis and involved in tumor biology. There are at least 63 substrates which can bind specifically to DPP4 enzyme including growth factors, chemokines, neuro peptides. Furthermore, DPP4 plays a major role in glucose metabolism by cleaving incretins such as glucose-dependent insulinotropic polypeptide (GIP) and GLP-1.
FAP Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 744 amino acids (26-760aa) and having a molecular mass of 86.1 kDa.FAP is fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPLRPSRVH NSEENTMRAL TLKDILNGTF SYKTFFPNWI SGQEYLHQSA DNNIVLYNIE TGQSYTILSN RTMKSVNASN YGLSPDRQFV YLESDYSKLW RYSYTATYYI YDLSNGEFVR GNELPRPIQY LCWSPVGSKL AYVYQNNIYL KQRPGDPPFQ ITFNGRENKI FNGIPDWVYE EEMLATKYAL WWSPNGKFLA YAEFNDTDIP VIAYSYYGDE QYPRTINIPY PKAGAKNPVV RIFIIDTTYP AYVGPQEVPV PAMIASSDYY FSWLTWVTDE RVCLQWLKRV QNVSVLSICD FREDWQTWDC PKTQEHIEES RTGWAGGFFV STPVFSYDAI SYYKIFSDKD GYKHIHYIKD TVENAIQITS GKWEAINIFR VTQDSLFYSS NEFEEYPGRR NIYRISIGSY PPSKKCVTCH LRKERCQYYT ASFSDYAKYY ALVCYGPGIP ISTLHDGRTD QEIKILEENK ELENALKNIQ LPKEEIKKLE VDEITLWYKM ILPPQFDRSK KYPLLIQVYG GPCSQSVRSV FAVNWISYLA SKEGMVIALV DGRGTAFQGD KLLYAVYRKL GVYEVEDQIT AVRKFIEMGF IDEKRIAIWG WSYGGYVSSL ALASGTGLFK CGIAVAPVSS WEYYASVYTE RFMGLPTKDD NLEHYKNSTV MARAEYFRNV DYLLIHGTAD DNVHFQNSAQ IAKALVNAQV DFQAMWYSDQ NHGLSGLSTN HLYTHMTHFL KQCFSLSDHH HHHH

For Research Use Only. Not for use in diagnostic/therapeutics procedures.