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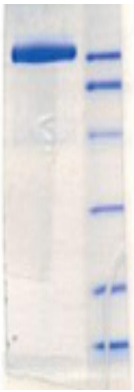
DPP4
Native Human Dipeptidyl Peptidase 4

Catalog No.	CRC117A CRC117B	**Quantity:**	10 mU 100 mU
Alternate Names:	Dipeptidyl peptidase 4, Dipeptidyl peptidase IV, DPP IV, T-cell activation antigen CD26		
Description:	Dipeptidyl Peptidase 4 is a lymphocyte cell surface antigen which is increased during T-cell activation and is also expressed in other tissues, such as placenta, kidney, etc. It is an atypical serine protease which has been implicated in a variety of biological functions including diabetes, rheumatoid arthritis, T-cell activation, cell-to-cell adhesion, and recently in HIV infection. DPP4 cleaves X-proline dipeptides from the N-terminus of polypeptides. There are over 63 substrates which can bind specifically to DPP4 enzyme including growth factors, chemokines, neuropeptides. DPP4 plays a major role in glucose metabolism by cleaving incretins such as glucose-dependent insulinotropic polypeptide (GIP) and GLP-1.		
UniProt ID:	P27487		
Source:	Human placenta		
Molecular Weight:	110 kDa		
Formulation:	2 mM Tris-HCl, pH 8.0		
Purity:	≥ 95% by SDS-PAGE		
Extinction Coefficient:	$E^{0.1\%}_{280nm} = 0.985$		
Biological Activity:	One unit is defined as the amount of enzyme that hydrolyzes one umole of H-Gly-Pro-pNA per minute at 25°C, pH 7.8		
Storage & Stability:	Stable for 1 year in working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**		

SDS-PAGE DPP4 reduced



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