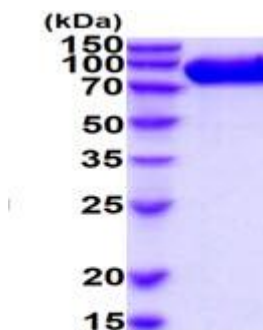


DPP4/CD26, Human Recombinant

CATALOG NO:	P1572-10 10 µg P1572-50 50 µg
ALTERNATE NAMES:	ADCP-2, ADABP, Dipeptidyl peptidase IV, DPP IV, T-cell activation antigen CD26, TP103, CD_antigen: CD26
MOL. WT.	85.4 kDa (737aa) (C-terminal His-tag)
SOURCE:	Baculovirus
PURITY:	>95% SDS - PAGE
ENDOTOXIN:	< 1 EU per 1µg of protein (determined by LAL method)
FORM:	Liquid
FORMULATION:	In 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl, 1 mM EDTA, 10% glycerol
SPECIFIC ACTIVITY:	> 200 unit/mg
UNIT DEFINITION:	One unit produces 1.0 umole of p-Nitroaniline from Gly-Pro- p-Nitroaniline per minute at pH 8.0 at 37 °C.
STORAGE CONDITIONS:	Store at 4°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.
DESCRIPTION:	DPP4, dipeptidyl peptidase-4 is a complex enzyme expressed on the surface of most cell types and is a serine exopeptidase that cleaves x-proline dipeptides from the N-terminus of polypeptides. DPP4 protein is associated with intracellular signal transduction, apoptosis and plays an important role 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 glucagon-like peptide-1 (GLP-1). Recombinant human DPP4 protein was expressed with c-terminal His-tag in high-5 cells using baculovirus expression system and purified by using conventional chromatography techniques.
AMINO ACID SEQUENCE:	aa 39-766



15% SDS-PAGE (3µg)

3 µg by SDS-PAGE under reducing condition and stained by coomassie blue stain.

RELATED PRODUCTS:

- Human CellExp™ DPPIV/CD26, human recombinant (untagged) (7436)
- Dipeptidylpeptidase IV, human recombinant (4710)
- Dipeptidyl Peptidase IV, Human Placenta (4709)

FOR RESEARCH USE ONLY! Not to be used on humans.