Dipeptidyl Peptidase IV, Human Placenta

**CATALOG #:** 4709-10

**AMOUNT:** 10 mU

**PURITY:** ≥95% by SDS-PAGE

**MOLECULAR WT:** 350,000

**STORAGE:** -70°C. Avoid multiple freeze/thaw cycles

**FORM:** Frozen liquid in 2 mM Tris-HCl, pH 8.0.

**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.

**SOURCE:** Prepared from tissue to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

**DESCRIPTION:** Dipeptidyl Peptidase IV 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.

**RELATED PRODUCTS:**
- Human GLP-1 Monoclonal Antibody (Cat. No. 3104-100)