

Human Dermatopontin/DPT, Tag Free Protein

HA211485



Product name:	Human Dermatopontin/DPT, Tag Free
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human Dermatopontin/DPT protein (Q07507) (Gln 19-Val 201) was expressed with tag free.

Background: Dermatopontin also known as tyrosine-rich acidic matrix protein (TRAMP) is a protein that in humans is encoded by the DPT gene. Dermatopontin is a 22-kDa protein of the noncollagenous extracellular matrix (ECM) estimated to comprise 12 mg/kg of wet dermis weight. To date, homologues have been identified in five different mammals and 12 different invertebrates with multiple functions. In vertebrates, the primary function of dermato pontin is a structural component of the ECM (interaction with decorin and modification of collagen fibrillogenesis), cell adhesion, modulation of TGF- β activity and cellular quiescence). It also has pathological involvement in heart attacks (increased expression around myocardial infarct zone) and decreased expression in leiomyoma and fibrosis. In invertebrate, dermato pontin homologue plays a role in hemagglutination, cell-cell aggregation, and expression during parasite infection.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per μ g by the LAL method.

Fragment region: Dermato pontin/DPT (19-201)

Source: HEK293

Accession: Q07507

Predicted molecular mass: 22.7 kD

Formulation: Lyophilized from a 0.2 μ m filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 μ g/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

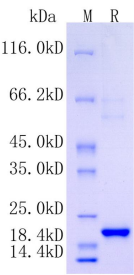


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.