

Recombinant Human DPT/TRAMP protein ab182823

Description

Product name	Recombinant Human DPT/TRAMP protein
Purity	> 90 % SDS-PAGE. Expressed in E.coli as inclusion bodies. Final product was refolded using a unique “temperature shift inclusion body refolding” technology and chromatographically purified.
Expression system	Escherichia coli
Accession	<u>Q07507</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFGQYGDYGY YQQYHDYSDDGW VNLNRQGFSYQCPQGQVIVAVRSIFSKEGSDRQWNYAC MPTPQSLGEPT ECWWEINRAGMEWYQTCSNGLVAGFQSRVFESVLDR EWQFYCCRYSKR CPYSCWLTTEYPGHYGEEMDMISYNYDYIRGATTTFSAVE RDRQWKFIM CRMTEYDCEFANV
Predicted molecular weight	24 kDa including tags
Amino acids	19 to 201
Tags	His tag N-Terminus , T7 tag N-Terminus
Additional sequence information	Mature form. Constructed with codon optimization and expressed with a small T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal.

Specifications

Our **Abpromise guarantee** covers the use of **ab182823** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as Dermatopontin

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituent: 0.32% Tris HCl Contains NaCl, EDTA, KCl, Arginine, DTT and Glycerol.
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General Info

Function	Seems to mediate adhesion by cell surface integrin binding. May serve as a communication link between the dermal fibroblast cell surface and its extracellular matrix environment. Enhances TGFB1 activity. Inhibits cell proliferation. Accelerates collagen fibril formation, and stabilizes collagen fibrils against low-temperature dissociation.
Tissue specificity	Expressed in fibroblasts, heart, skeletal muscle, brain and pancreas. Expressed at an intermediate level in lung and kidney, and at a low level in liver and placenta. Expressed at a lower level in fibroblasts from hypertrophic scar lesional skin and in fibroblasts from patients with systemic sclerosis than in normal skin fibroblasts.
Sequence similarities	Belongs to the dermatopontin family.
Post-translational modifications	Sulfated on tyrosine residue(s).
Cellular localization	Secreted > extracellular space > extracellular matrix.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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