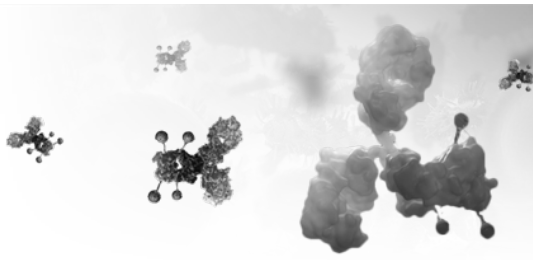

Human LTBP1 peptide (DAG-P1692)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the family of latent TGF-beta binding proteins (LTBPs). The secretion and activation of TGF-betas is regulated by their association with latency-associated proteins and with latent TGF-beta binding proteins. The product of this gene targets latent complexes of transforming growth factor beta to the extracellular matrix, where the latent cytokine is subsequently activated by several different mechanisms. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Specificity	Isoform Long is found in fibroblasts.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the LTBP family.Contains 18 EGF-like domains.Contains 4 TB (TGF-beta binding) domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	LTBP1 latent transforming growth factor beta binding protein 1 [Homo sapiens (human)]
Official Symbol	LTBP1
Synonyms	LTBP1; latent transforming growth factor beta binding protein 1; latent-transforming growth

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	factor beta-binding protein 1; LTBP-1; TGF-beta1-BP-1; transforming growth factor beta-1-binding protein 1;
Entrez Gene ID	4052
mRNA Refseq	NM_000627.3
Protein Refseq	NP_000618.3
UniProt ID	Q14766
Chromosome Location	2p22-p21
Pathway	Elastic fibre formation, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Integrated Pancreatic Cancer Pathway, organism-specific biosystem; Molecules associated with elastic fibres, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	calcium ion binding; protein binding; transforming growth factor beta binding; transforming growth factor beta-activated receptor activity;

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