



Recombinant Human IBSP [His] (DAG-WT1935)

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

PRODUCT INFORMATION

Species	P21815
Purity	> 90% as determined by SDS-PAGE
Conjugate	His
Applications	WB, ELISA
Molecular Weight	32.4 kDa
Format	Liquid or Lyophilized powder
Size	100 µg, 1 mg
Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Preservative	None
Storage	Store at -20°C

BACKGROUND

Introduction	The protein encoded by this gene is a major structural protein of the bone matrix. It constitutes approximately 12% of the noncollagenous proteins in human bone and is synthesized by skeletal-associated cell types, including hypertrophic chondrocytes, osteoblasts, osteocytes, and osteoclasts. The only extraskeletal site of its synthesis is the trophoblast. This protein binds to calcium and hydroxyapatite via its acidic amino acid clusters, and mediates cell attachment through an RGD sequence that recognizes the vitronectin receptor.
Keywords	IBSP; Integrin binding sialoprotein