Product Data Sheet

Product Name:	SH2D1B Human
Cat. No.:	GP24573
Batch No.:	1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SH2 Domain Containing 1B; EWS/FLI1-Activated Transcript 2; EAT-2; EAT2; SH2 Domain-Containing Molecule EAT2; SH2 Domain-Containing Protein 1B; SH2 domain-containing protein 1B; EWS/FLI1-activated transcript 2; EAT-2.		
Amino Acid Sequence	ADPMDLPYYH GRLTKQDCET LLLKEGVDGN FLLRDSESIP GVLCLCVSFK NIVYTYRIFR EKHGYYRIQT AEGSPKQVFP SLKELISKFE KPNQGMVVHL LKPIKRTSPS LRWRGLKLEL ETFVNSNSDY VDVLPHHHHH H.		
Formulation	SH2D1B protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 20% glycerol.		

Introduction

SH2 domain-containing protein 1B, also known as SH2D1B activates NK cells. SH2D1B participates in controlling signal transduction through at least 4 receptors, CD84, SLAMF1, LY9 and CD244, expressed on the surface of professional antigen-presenting cells. Two isoforms of the human SH2D1B are produced by alternative splicing. Superior Mesenteric Artery Syndrome is one of the diseases which is associated with SH2D1B.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

SH2D1B Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 141 amino acids (1-132a.a.) and having a molecular mass of 16.4kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa).

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SH2D1B is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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