
Product Data Sheet

Product Name: SIRPB1 Human
 Cat. No.: GP24589
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SIRPB1; CD172b; SIRP-BETA-1; SIRP-Beta-1 Isoform 3; CD172b Antigen; CD172b.		
Amino Acid Sequence	EDELQVIQPE KSVSVAAGES ATLRCAMTSL IPVGPIMWFR GAGAGRELIY NQKEGHFPRV TTVSELTKRN NLDFSISISN ITPADAGTY Y CVKFRKGGSPD DVEFKSGAGT ELSVRAKPSA PVVSGPAVRA TPEHTVSFTC ESHGFSPRDI TLKWFKNGNE LSDFQTNVDP AGDSVSYSIH STARVVLTRG DVHSQVICEI AHITLQGDPL RGTANLSEAI RVPPTLEVTQ QPMRAENQAN VTCQVSNFYR RGLQLTWLEN GNVSRTETAS TLIENKDGTY NWMSWLLVNT CAHRDDVVLTCQVEHDGQQA VSKSYALEIS AHQKEHGSDI THEAALAPTA PLHHHHHH.		
Formulation	SIRPB1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) & 10% glycerol.		

Introduction

Signal-regulatory protein beta-1 isoform 1 or SIRPB1, is an immunoglobulin-like cell surface receptor which is a part of the SIRP superfamily. SIRPB1 is a cell membrane receptor that takes part in the negative regulation of tyrosine kinase-coupled signaling pathway. SIRPB1 is engaged in the activation of tyrosine kinase SYK, SIRP alpha molecules (activates SHP-1 and SHP-2 protein tyrosine phosphatases), etc.

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

SIRPB1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (30-

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371 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 348 amino acids and having a molecular mass of 38.0kDa. SIRPB1 shows multiple bands between 40-57kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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