

Recombinant Human SIRPB1 Protein, C-His-tagged

Cat. No. SIRPB1-006H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRPB1 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	SIRPs (signal-regulatory proteins) are a family of transmembrane glycoproteins that were identified by their association with the Src homology 2 domaincontaining protein-tyrosine phosphatase SHP-2 in response to Insulin. The SIRP family negatively regulates the PI 3-K pathway, which may diminish EGFR-mediated motility and survival phenotypes that contribute to transformation of certain cell types. SIRP-α1 is a transmembrane protein which contains an extracellular portion with three immunoglobulin-like structures and a cytoplasmic region with four potential tyrosine phosphorylation sites. SIRP-α1 is a substrate for activated receptor tyrosine kinases. In its tyrosine phosphorylated form, SIRP-α1 binds to SH-PTP2 through SH2 interactions and acts as an SH-PTP2 substrate. SIRP-α1 has been shown to have negative regulatory effects on cellular responses induced by growth factors, oncogenes and insulin. SIRP-β1 shares extensive sequence homology with SIRP-α1 in its extracellular portion but lacks the cytoplasmic portion. SIRP-γ, originally designated SIRP-β2 (SIRP-B2, CD172g) has unique characteristics from both the α and β versions. SIRP-γ is expressed on the majority of T cells and a proportion of B cells. CD47 associates with SIRP-γ, and this interaction signals unidirectionally only.
Molecular Mass	~38 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	EDELQVIQPEKSVSVAAGESATLRCAMTSLIPVGPIMWFRGAGAGRELIYNQKEGHF PRVTTVSELTKRNNLDFSISISNITPADAGTYCYVKFRKGSPDDVEFKSGAGTELSVR AKPSAPVVSGPAVRATPEHTVSFTCESHGFSRPDITLKWFKNGNELSDFQTNVDPA GDSVSYSIHSTARVVLTRGDVHSQVICEIAHITLQGDPLRG TANLSEAIRVPPTLEV TQ QPMRAENQANVTCQVSNFYPRGLQLTWLENGNVSR TETASTLIENKDGTYNWMS WLLVNTCAHRDDVVLTCQVEHDGQQAVSKSYALEISAHQKEHGSDITHEAALAPTA PL
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	SIRPB1 signal-regulatory protein beta 1 [Homo sapiens (human)]
Official Symbol	SIRPB1
Synonyms	SIRPB1; signal-regulatory protein beta 1; signal-regulatory protein beta-1; CD172b; SIRP BETA 1; CD172 antigen-like family member B; SIRP-BETA-1; FLJ26614; DKFZp686A05192;
Gene ID	10326

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

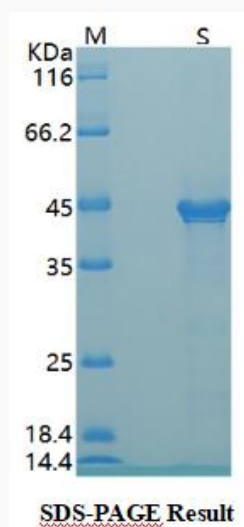
mRNA Refseq [NM_001083910](#)

Protein Refseq [NP_001077379](#)

MIM [603889](#)

UniProt ID [O00241](#)

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA