

Recombinant human ST2 protein, His

Catalog Number: bs-41103P

Concentration: >0.5 mg/ml

AA Seq: 19-328/556

Predicted MW: 36

Detected MW: 40 kDa

Tags: His

Activity: Yes

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: 20mM Tris-HCl (pH7.2) with 1M Urea.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: ST2 is a member of a superfamily containing the Interleukin 1 (IL1) receptor and the Toll-like receptors (TLRs). The TLRs are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. ST2 was originally identified as a protein whose production was stimulated by various proliferation-inducing agents such as PDGF and FGF. More recently, it has been shown to negatively regulate IL1 receptor and Toll-like receptor 4 (TLR4) signaling and to maintain endotoxin tolerance. It has been suggested that the inhibition of TLR4 signaling occurs through the association and sequestering of TLR adaptor molecules such as MyD88 and TIRAP.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.