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Product Datasheet

Recombinant Human ST2 (C-6His) EBT-EPT263

Article Name	Recombinant Human ST2 (C-6His)
Biozol Catalog Number	EBT-EPT263
Supplier Catalog Number	EPT263
Alternative Catalog Number	EBT-EPT263-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Interleukin-1 Receptor-like 1 is produced by our Mammalian expression system and the target gene encoding Lys19-Phe328 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 36 KDa. Apparent molecular weight: 50-85 KDa, reducing conditions
UniProt	Q01638
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Biological activity: Immobilized Human ST2-His(CatC184) at 5µg/ml (100 µl/well) can bind Human IL-33-His(CatC233). The ED50 of Human IL-33-His(CatC233) is 8.44 ng/ml. Background: Interleukin 1 receptor-like 1(IL1RL1) is a member of the interleukin-1 receptor family, Contains 3 Ig-like C2-type domains and 1 TIR domain. It is highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon and small intestine. IL1RL1 is a receptor for interleukin-33, its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. IL1RL1 may possibly be involved in helper T-cell function. Soluble IL1RL1 also acts as a negative regulator of Th2 cytokine production, it directly implicated in the progression of cardiac disease