8. Mikhailik, A., et al. 2007. A phosphatase activity of STS-1 contributes to...

| BACKGROUND |
STS-1 (suppressor of T cell receptor signaling 1), also known as UBASH3B (ubiquitin associated and SH3 domain containing, B) or p70 (Cbl-interacting protein p70), is a member of the suppressor of TCR (T cell receptor) signaling family of proteins and negatively regulates signaling pathways downstream of the TCR. Localizing to the cytoplasm and nucleus, STS-1 is widely expressed with little to no expression in pancreas, ovary and heart. STS-1 contains an N-terminal UBA domain, one SH3 domain and a C-terminal domain that is similar to the catalytic domain found in phosphoglycerate mutases. STS-1 exhibits phosphatase activity and is recognized as a Cbl-interacting protein. Upon ligand binding, STS-1 is recruited to activated EGFR complexes and similar to the catalytic domain found in phosphoglycerate mutases. STS-1 N-terminal UBA domain, one SH3 domain and a C-terminal domain that is with little to no expression in pancreas, ovary and heart. 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