

## 32-4978: Recombinant Human Starch Binding Domain 1

**Alternative Name :** Starch Binding Domain 1, Genethonin 1, GENEX3414, Starch-Binding Domain-Containing Protein 1.

### Description

Source : Escherichia Coli. STBD1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 358 amino acids (24-358) and having a molecular mass of 39.1kDa. STBD1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. STBD1 has one carbohydrate binding type-20 (CBM20) domain and has the ability to bind to carbohydrates. STBD1 is highly expressed in cardiac and skeletal muscles.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The STBD1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SGLVPRGSH MGRGGPGDT GKDGDAEQEK DAPLGGAAIP GGHQSGSSGL SPGPSGQELV TKPEHLQESN GHLISKTKDL GKLQAASWRL QNPSREVCND SREHVPSGQF PDTEAPATSE TSNSRSYSEV SRNESLESPM GEWGFQKGQE ISAKAATCFA EKLPSNLLK NRAKEEMSLS DLNSQDRVDH EEWEMVPRHS SWGDVGVGGS LKAPVLNLNQ GMDNGRSTLV EARGQQVHGK MERVAVMPAG SQQVSVRFQV HYVTSTDVQF IAVTGDHECL GRWNTYIPLH YNKDGFWSHS IFLPADTVVE WKFVLVENG VTRWEECSNR FLETGHEDKV VHAWWGIH

