

**STBD1, 24-358aa, Human, His tag, E.coli**

**Cat.NO.: TP04056**

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3th Edition

**Synonyms:**Starch-binding domain-containing protein 1, GENEX3414, GENX-3414

**Description:**STBD1 contains 1 CBM20 (carbohydrate binding type-20) domain and may have the capability to bind to carbohydrates. This protein is expressed at high level in skeletal and cardiac muscles. Recombinant human STBD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**39.1 kDa (358aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSRGGPGDTGKDGDAEQEKDAPLGGAAIPGGHQSGSSGLSPGPSQELVTK  
PEHLQESNGHLISKTKDLGKLQAASWRLQNPSREVCDNSREHVPSGQFPDTEAPATSETSNSRSYSEVSRNESLE  
SPMGEWGFQKGQEISAKAATCFAEKLPSNLLKNRAKEEMSLSDLNSQDRVDHEEWEMVPRHSSWGDVGVGGS  
LKAPVLNLNQGM DN GRSTLVEARGQQVHGKM ERVAVMPAGSQQVSVRFQVHYVTSTDVQFIAVTGDHECLGRW  
NTYIPLHYNKDGFWSHSIFLPADTVVEWKFLVENGGVTRWEECSNRFLETGHEDKVVHAWWGIH

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.