
Product Data Sheet

Product Name: STBD1 Human

Cat. No.: GP24716

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical
Appearance solidShipping
Condition Shipped with Ice Packs.

Synonyms Starch Binding Domain 1; Genethonin 1; GENEX3414; Starch-Binding Domain-Containing Protein 1.

Amino Acid
Sequence

MGSSHHHHHH SSGLVPRGSH MGSRRGGPGDT GKDGDAEQEK DAPLGGAaip
GGHQSGSSGL SPGPSGQELV TKPEHLQESN GHLISKTKDL GKLQAASWRL
QNPSREVCDN SREHVPSGQF PDTEAPATSE TSNSRSYSEV SRNESLESPM
GEWGFQKGQE ISAKAATCFA EKLPSNLLK NRAKEEMSLs DLNSQDRVDH
EEWEMVPRHS SWGDVGVGGS LKAPVLNLNq GMDNGRSTLV EARGQQVHGK
MERVAVMPAG SQQVSVRFQV HYVTSTDVQF IAVTGDHECL GRWNTYIPLH
YNKDGFWSHS IFLPADTVVE WKFVLVENGg VTRWEECSNR FLETGHEDKV
VHAWWGIH

Formulation The STBD1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.

Introduction

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.

Stability

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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