

Starch Binding Domain 1 Human Recombinant

Item Number	rAP-3982
Synonyms	Starch Binding Domain 1, Genethonin 1, GENEX3414, Starch-Binding Domain-Containing Protein 1.
Description	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.
Uniprot Accession Number	O95210
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSRRGGPGDT GKDGD AEQEK DAPLGGAIP GGHQSGSSGL SPGPSGQELV TKPEHLQESN GHLISKTKDL GKLQAASWRL QNPSREVCDN SREHVPSGQF PDTEAPA- TSE TSNSRSYSEV SRNESLESPM GEWGFQKGQE ISAKAATCFA EKLPSNLLK NRAKEEMSLS DLNSQDRVDH EEWEMVPRHS SWGDVGVGGS LKAPVLNLNQ GMDNGRSTLV EARGQQVHGK MERVAVMPAG SQQVSVRFQV HYVTSTDVQF IAVTGDHECL GRWNTYIPLH YNKDGFWSHS IFLPADTVVE WKFVLVENG VTRWEECSNR FLETGHEDKV VHAWWGIH
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	The STBD1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**