

Recombinant Human STBD1 protein, His-tagged

Cat. No. STBD1-244H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STBD1 protein(26-358 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	26-358 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AASequence	GPGDTGKDGD AEQEKDAPLGGAIPGGHQSGSSGLSPGPSGQELVTKPEHLQESN GHLISKTKDLGKLQAASWRLQNPSREVC DNSREHVP SGQFPDTEAPATSETSNRS YSEVSRNESLESPMGEWGFQKGQEISAKAATCFAEKL PSSNLLKNRAKEEMSLSDL NSQDRVDHEEWEMVPRHSSWGDVGVGGS LKAPVLN LNQGMDNGRSTLVEARGQ QVHGKM ERVAVMPAGSQQVSVRFQVHYVTSTDVQFI AVTGDHECLGRWNTYIPLH YNKDGFWSHSIFLPADTVVEWK FVLVENGGVTRWEECSNR FLETGHEDKV VHAW WGIH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [STBD1 starch binding domain 1 \[Homo sapiens \]](#)

Official Symbol [STBD1](#)

Synonyms STBD1; starch binding domain 1; starch-binding domain-containing protein 1; FLJ41801; genethonin 1; GENX 3414; GENEX3414; GENX-3414;

Gene ID [8987](#)

mRNA Refseq [NM_003943](#)

Protein Refseq [NP_003934](#)

MIM [607406](#)

UniProt ID [O95210](#)

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