

Protease Recombinant Protein | SCO2549 recombinant protein

Recombinant Protease

CATALOG # AAA38557	HOST E Coli
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PRODUCT SYNONYMS

Protease; Recombinant Protease; SCO2549 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	Sterile filtered colorless solution.
Concentration	1000IU/1.43ml (varies by lot)
Sequence Length	1067
Cleavage Buffer	50mM Tris-HCl, pH-7.0 (at 25 degree C), 150mM NaCl, 1mM EDTA, 1mM dithiothreitol. Chill to 5 degree C prior to use.
Cleavage Conditions	For Cleavage of a Fusion Protein: During cleavage reactions, it is recommended that samples be removed at various time points and analyzed by SDS-PAGE to estimate the yield, purity, and extent of digestion. The amount of PreScission Protease, temperature and length of incubation required for complete digestion of a given GST fusion partner may vary depending on the fusion partner. Optimal conditions for each fusion should be determined in pilot experiments. Digestion may be improved by adding Triton™ X-100, Tween™ 20, Nonidet™, or NP40 to a concentration of 0.01%. Concentrations of these detergents up to 1% do not inhibit PreScission Protease.
Unit Defenition	One unit will cleave ≥90% of 100 ug of a test GST-fusion protein in Cleavage Buffer (50mM Tris-HCl, 150 mM NaCl, 1 mM EDTA, 1 mM DTT, pH 7.0 at 25 degree C) at 5 degree C for 16 hours.
Preparation and Storage	Protease Recombinant although stable at 4 degree C for 1 week, should be stored desiccated below -18 degree C. Please prevent freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for SCO2549 recombinant protein	Description: Protease Recombinant is a fusion protein of glutathione S-transferase (GST) and human rhinovirus (HRV) type 14 3C protease. The protease specifically recognizes a subset of sequences which include the core amino acid sequence Leu-Phe-Gln/Gly-Pro cleaving between the Gln and Gly residues. Substrate recognition and cleavage are likely to be dependent not only upon primary structural signals, but also upon the secondary and tertiary structures of the fusion protein as well. The Recombinant Protease is purified by proprietary chromatographic techniques.
Product Categories/Family for SCO2549 recombinant protein	Enzymes ; Protease

NCBI AND UNIPROT INFORMATION

NCBI GI #	21221008
NCBI GeneID	1097983
NCBI Accession #	NP_626787.1
NCBI GenBank Nucleotide #	NC_003888.3
Molecular Weight	115,647 Da

NCBI Official Full Name	protease
NCBI Official Symbol	SCO2549
NCBI Official Synonym Symbols	SCC77.16c.
NCBI Protein Information	protease
UniProt Protein Name	Tricorn protease homolog 1
UniProt Gene Name	tri1
UniProt Entry Name	TRI1_STRCO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tri1-recombinant-protein-e-coli/38557>