

Recombinant Tobacco Etch Virus Protease S219V, GST tagged (rTEVS219V, GST)

Product Information

Cat#	DIA-845
Descriptions	Recombinant Tobacco Etch Virus Protease S219V, GST tagged (rTEVS219V, GST) is an enhanced TEV protease mutant with improved stability and resistance to self-cleavage, carries a GST tag for convenient purification, and efficiently cleaves target proteins containing the ENLYFQG recognition sequence.
Applications	Recombinant Tobacco Etch Virus Protease S219V, GST tagged (rTEVS219V, GST) serves as a stable tool for fusion protein cleavage detection kits and site-specific protein processing assay reagent development.
CAS No.	461-027-1816
Enzyme Source	Escherichia coli
Form	Clear colorless liquid A 0.2 um filtered solution in 25mM Tris-HCl, pH 8.0, 0.25 mM EDTA, 0.5Mm DTT, with 50% Glycerol.
Reaction	TEV protease encoded by the tobacco etch virus is a catalytic domain of the Nuclear Inclusion a (Nla) protein. It recognizes the amino acid sequence of the general form E-X-X-Y-X-Q (or S)/X', and cleaves between Q (or S)/X'. The optimal cleavage site is ENLYFQ/G. The mutant S219V was far more stable than the wild-type protease (~100-fold) and a more efficient catalyst.
Purity	> 90% by SDS-PAGE
Package	300 IU, 1000 IU