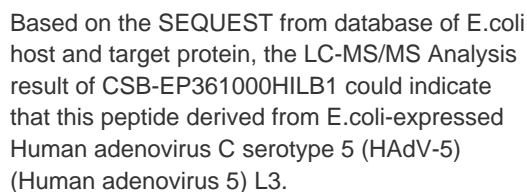
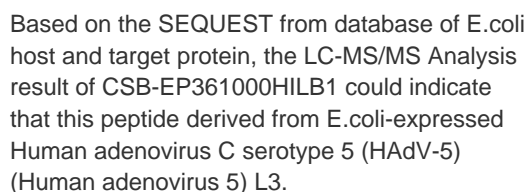
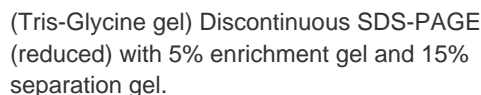




Recombinant Human adenovirus C serotype 5 Protease (L3)

Product Code	CSB-EP361000HILb1
Relevance	Cleaves viral precursor proteins (pTP, pIIIa, pVI, pVII, pVIII, and pX) inside newly assembled particles giving rise to mature virions. Protease complexed to its cofactor slides along the viral DNA to specifically locate and cleave the viral precursors. Mature virions have a weakened organization compared to the unmaturation virions, thereby facilitating subsequent uncoating. Without maturation, the particle lacks infectivity and is unable to uncoat. Late in adenovirus infection, in the cytoplasm, may participate in the cytoskeleton destruction. Cleaves host cell cytoskeletal keratins K7 and K18.
Abbreviation	Recombinant Human adenovirus C serotype 5 Protease protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P03253
Alias	Adenain Adenovirus protease
Product Type	Recombinant Protein
Immunogen Species	Human adenovirus C serotype 5 (HAdV-5) (Human adenovirus 5)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGSSEQELKAIVKDLGCGPYFLGTYDKRFPGFVSPHKLACAIVNTAGRETGGV HWMFAFawnPHSKTCYLFEPFGFSDQRLKQVYQFEYESLLRRSAIASSPDRCIT LEKSTQSVQGPNSAACGLFCCMFLHAFANWPQTPMDHNPTMNLITGVPSML NSPQVQPTLRRNQEQLYSFLERHSPYFRSHSAQIRSATSFCCLKNM
Research Area	others
Source	E.coli
Target Names	L3
Expression Region	1-204aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	28.1kDa
Protein Length	Full Length
Image	



Cleaves viral precursor proteins including pTP, pIIIa, pVI, pVII, pVIII, and pX could lead to the production of mature virions. Compared to the un mature virions, mature virions show a weakened organization, which further enhances the subsequent uncoating. The particle lacks infectivity and is unable to uncoat as there is no maturation. In the cytoplasm, L3Protease may participate in the cytoskeleton destruction and cleaves host cell cytoskeletal keratins K7 and K18.

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.