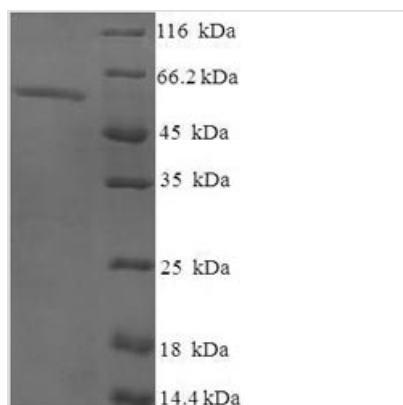




Recombinant Human Exonuclease V (EXO5)

Product Code	CSB-EP863995HU
Relevance	Single-stranded DNA (ssDNA) bidirectional exonuclease involved in DNA repair. Probably involved in DNA repair following ultraviolet (UV) irradiation and interstrand cross-links (ICLs) damage. Has both 5'-3' and 3'-5' exonuclease activities with a strong preference for 5'-ends. Acts as a sliding exonuclease that loads at ssDNA ends and then slides along the ssDNA prior to cutting; however the sliding and the 3'-5' exonuclease activities are abolished upon binding to the replication protein A (RPA) complex that enforces 5'-directionality activity.
Abbreviation	Recombinant Human EXO5 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.	Q9H790
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAETREEETVSAEASGFSDLSDSEFLEFLDLEDAQESKALVNMPGPPSSESLGK DDKPISLQNWKRGLDILSPMERFHLKYLYVTDLATQNWCELQTAYGKELPGFL APEKAAVLDTGASIHARELELHDLVTVPVTTKEDAWAIKFLNILLIPTLQSEGH IREFPVFGE GEGVLLVGVIDELHYTAKGELELAELKTRRRPMLPLEAQKKKDCF QVSLYKYIFDAMVQGVTPASLIHHTKLCLEKPLGPSVLRHAQQGGFSVKSLG DLMELVFLSLTLSDLPVIDILKIEYIHQETATVLGTEIVAFKEKEVRQVQHYMAY WMGHREPQGV DVEEAWKCRTCTYADICEWRKSGVLSSTLAPQVKKAK
Research Area	Signal Transduction
Source	E.coli
Target Names	EXO5
Expression Region	1-373aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	54.8kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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