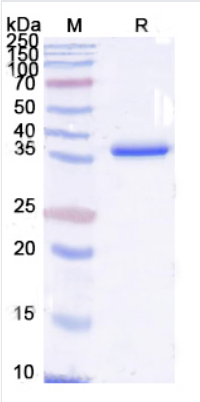
E1B-55K/E1B-495R Hadv-5 Recombinant Protein

PRODUCT OVERVIEW

Product Name	E1B-55K/E1B-495R, Recombinant Protein
Full Product Name	Recombinant HAdV-5 E1B-55K/E1B-495R Protein, N-GST & C-His
Product Gene Name	E1B-55K/E1B-495R recombinant protein
Product Synonym Names	E1B 55 kDa protein; E1B-55K; E1B protein; large T-antigen; E1B-495R
Sequence	Glu2-Gln79
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE.
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for frequent use. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	20,614 Da
3D Structure	ModBase 3D Structure for P03243
Species	Human adenovirus C serotype 5 (HAdV-5)(Human adenovirus 5)
Reconstitution	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.
Product Categories/Family for E1B-55K/E1B-495R recombinant protein	Recombinant Protein; Other Proteins; Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for E1B-55K/E1B-495R recombinant protein	ELISA (EIA), Immunogen, SDS-PAGE, Western Blot (WB), Bioactivity testing in progress
Related Product Information for E1B-55K/E1B-495R recombinant protein	MBS1587960 is a recombinant protein targeting E1B-55K/E1B-495R. Also known as Recombinant HAdV-5 E1B-55K/E1B-495R Protein, N-GST & C-His. Host: E coli.
Other Notes	Small volumes of E1B-55K/E1B-495R recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of E1B-55K/E1B-495R recombinant protein
SDS-PAGE for Recombinant Human adenovirus C serotype 5 (HAdV-5)(Human adenovirus 5) E1B-55K protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for E1B-55K/E1B-495R. It may not necessarily be applicable to this product.

NCBI GI #	56160532
NCBI GeneID	0
NCBI Accession #	AP_000199.1
UniProt Primary Accession #	P03243
UniProt Secondary Accession #	Q64827
GenBank Nucleotide #	AC_000008.1
NCBI Official Full Name	E1B 55K
UniProt Protein Name	E1B 55 kDa protein
UniProt Synonym Protein Names	E1B protein, large T-antigen; E1B-495R
UniProt Gene Name	E1B-55K
UniProt Synonym Gene Names	E1B-55K
UniProt Comments for E1B-55K/E1B-495R	Plays a major role to prevent cellular inhibition of viral genome replication. Assembles an SCF-like E3 ubiquitin ligase complex based on the cellular proteins ELOB, ELOC, CUL5 and RBX1, in cooperation with viral E4orf6. This viral RING-type ligase ubiquitinates cellular substrates and targets them to proteasomal degradation: TP53/p53, LIG4, MRE11-RAD50-NBS1 (MRN) complex, ITGA3, DAXX and BLM. Degradation of host TP53/p53 activity is essential for preventing E1A-induced TP53 accumulation that would otherwise lead to cell apoptosis and growth arrest. E1B-55K also inactivates TP53 transcription-factor activity by binding its transactivation domain. E1B-55K also functions as a SUMO1 E3 ligase for TP53 which causes the latter to be sequestered in promyelocytic leukemia (PML) nuclear bodies thereby contributing to maximal inhibition of TP53 function.
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