

Recombinant Human AEN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AEN-759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AEN MS Standard C13 and N15-labeled recombinant protein (NP_073604) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Exonuclease with activity against single- and double-stranded DNA and RNA. Mediates p53-induced apoptosis. When induced by p53 following DNA damage, digests double-stranded DNA to form single-stranded DNA and amplifies DNA damage signals, leading to enhancement of apoptosis.
Molecular Mass	36.4 kDa
AA Sequence	MVPREAPESAQCLCPSLTIPNAKDVLKRHKRRSRQHQRFFMARKALLQEQGLLSMP PEPGSSPLPTPFGAATATEAASSGKQCLRAGSGSAPCSRRPAPGKASGPLPSKCVA IDCEMVGTGPRGRVSELARCSIVSYHGDVLYDKYIRPEMPIADYRTRWSGITRQHMR KAVPFQVAQKEILKLLKGKVVVGHALHNDFFQALKYVHPRSQTRDTTYVPNFLSEPL HTRARVSLKDLALQLLHKKIQVGQHGHSVEDATTAMELYRLVEVQWEQQEARSL WTCPEDREPDSSTDMEQYMEDQYWPDDLHAGSRGGAREAQDRRNTTRTRPLEQK LISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	AEN apoptosis enhancing nuclease [Homo sapiens (human)]
Official Symbol	AEN
Synonyms	AEN; apoptosis enhancing nuclease; interferon stimulated exonuclease gene 20kDa like 1, ISG20L1; apoptosis-enhancing nuclease; FLJ12484; FLJ12562; interferon-stimulated 20 kDa exonuclease-like 1; interferon stimulated exonuclease gene 20kDa-like 1; ISG20L1; pp12744;
Gene ID	64782
mRNA Refseq	NM_022767
Protein Refseq	NP_073604
MIM	610177
UniProt ID	Q8WTP8
SDS-PAGE	

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