

## Product datasheet for PH302285

### Apoptosis enhancing nuclease (AEN) (NM\_022767) Human Mass Spec Standard

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Mass Spec Standards   |
| Description:                          | AEN MS Standard C13 and N15-labeled recombinant protein (NP_073604)   |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | RC202285  |
| Predicted MW:                         | 36.4 kDa  |
| Protein Sequence:                     | >RC202285 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MVPREAPESAQCLCPSLTIPNAKDVLKRKRKRRSRQHQRFMARKALLQEQLLSMPPEPGSSPLPTPFGA<br>ATATEAASSGKQCLRAGSGSAPCSRRPAPGKASGPLPSKCVAIDCEMVGTPRGRVSELARCSIVSYHGD<br>VLYDKYIRPEMPIADYRTRWSGITRQHMRKAVPFQVAQKEILKLLKGVVVGHALHNDFQALKYVHPRSQ<br>TRDTTYVPNFLSEPGLHTRARVSLKDLALQLLHKKIQVGQHGHSVEDATTAMEL YRLVEVQWEQQEARS<br>LWTCPEDREPDSSTDMEQYMEDQYWPDDL AHGSRGGAREAQDRRN<br><br>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| Tag:                                  | C-Myc/DDK   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method  |
| Labeling Method:                      | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3  |
| Storage:                              | Store at -80°C. Avoid repeated freeze-thaw cycles.  |
| Stability:                            | Stable for 3 months from receipt of products under proper storage and handling conditions.  |
| RefSeq:                               | <a href="#">NP_073604</a>   |
| RefSeq Size:                          | 3134  |
| RefSeq ORF:                           | 975   |
| Synonyms:                             | ISG20L1; pp12744  |
| Locus ID:                             | 64782   |



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UniProt ID: [Q8WTP8](#)

Cytogenetics: 15q26.1

Summary: 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.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified AEN protein (Cat# [TP302285]). The protein was produced from HEK293T cells transfected with AEN cDNA clone (Cat# [RC202285]) using MegaTran 2.0 (Cat# [TT210002]).