

Recombinant Human APLF 293 Cell Lysate

Cat. No. APLF-8793HCL **Lot. No.** (See product label)

SPECIFICATION

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| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for aprataxin and PNKP like factor (APLF) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| Components | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| Size | 0.1 mg |
| Storage Instruction | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |
| Applications | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

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|----------------------------|--|
| Gene Name | APLF aprataxin and PNKP like factor [Homo sapiens] |
| Official Symbol | APLF |
| Synonyms | APLF; aprataxin and PNKP like factor; C2orf13, chromosome 2 open reading frame 13; aprataxin and PNK-like factor; MGC47799; XRCC1-interacting protein 1; PNK and APTX-like FHA protein; aprataxin- and PNK-like factor; apurinic-apyrimidinic endonuclease APLF; PNK and APTX-like FHA domain-containing protein; APFL; PALF; Xip1; C2orf13; FLJ16593; |
| Gene ID | 200558 |
| mRNA Refseq | NM_173545 |
| Protein Refseq | NP_775816 |
| MIM | 611035 |
| UniProt ID | Q8IW19 |
| Chromosome Location | 2p14 |
| Function | 3-5 exonuclease activity; DNA-(apurinic or apyrimidinic site) lyase activity; endodeoxyribonuclease activity; lyase activity; metal ion binding; nucleotide binding; protein binding; |

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