

## APEH Protein, Human, Recombinant (His)

### General Information

Synonyms:	AARE;DNF15S2;Acylamino-acid-releasing enzyme;Acylaminoacyl-peptidase;APEH;Acyl-peptide hydrolase (APH);D3F15S2;Oxidized protein hydrolase (OPH);D3S48E
Protein Construction:	1-732 aa
Species:	Human
Expression Host:	E. coli
Accession:	P13798
Molecular Weight:	85.2 kDa (predicted)
AA Sequence:	MERQVLLSEPEEAAALYRGLSRQPALSAACLGPEVTTQYGGQYRTVHTEWTQRDLERMENIRFCRQYLVFHD GDSVVFAGPAGNSVETRGELLSRESPSGTMKAVLRKAGGTGPGEEKQFLEVWEKNRKLKSFNLSALEKHGPV YEDDCFGCLSWSHSETHLLYVAEKKRPKAESFFQTKALDVSASDDEIARLKKPDQAIKGDQFVfyEDWGENM VSKSIPVLCVLDVESGNISVLEGPENVSPGQAFWAPGDAGVVFVGWWHEPFRLGIRFCTNRRSALYYVDLIG GKCELLSDDSLAVSSPRLSPDQCRIVYLQYPSLIPHHQCSQLCLYDWYTKVTSVVVDVPRQLGENFSGIYCSL LPLGCWSADSQRVVFDSAQRSRQDLFAVDTQVGTVTSLTAGGSGGSWKLLTIDQDLMVAQFSTPSLPPTLKV GFLPSAGKEQSVLWVSLEEAEPIDHWGIRVLQPPPEQENVQYAGLDFEAILLQPGSPDKTQVPMVVMMPH GGPHSSFVTAWMLFPAMLCKMGFAVLLVNYRGSTGFGQDSILSLPGNVGHQDVKDVQFAVEQVLQEEHFD ASHVALMGGSHGGFISCHLIGQYPETYRACVARNPVINIASMLGSTDIPDWCVVEAGFPFSSDCLPDLVSWAE MLDKSPIRYIPQVKTPLLLMLGQEDRRVPFKQGMYYRALKTRNVPVRLLLYPKSTHALSEVEVESDSFMNAV LWLRLTHLGS

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Protein Background**

This enzyme catalyzes the hydrolysis of the N-terminal peptide bond of an N-acetylated peptide to generate an N-acetylated amino acid and a peptide with a free N-terminus. It preferentially cleaves off Ac-Ala, Ac-Met and Ac-Ser.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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