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Datasheet for ABIN1345305

# APEX1 Protein (AA 1-318) (GST tag)

1 Image | 1 Publication

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 10 µg |
| Target: | APEX1 |
| Protein Characteristics: | AA 1-318 |
| Origin: | Human |
| Source: | Wheat germ |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This APEX1 protein is labelled with GST tag. |
| Application: | Western Blotting (WB), ELISA, Antibody Array (AA), Affinity Purification (AP) |

## Product Details

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|---|---|
| Purpose: | APEX1 (Human) Recombinant Protein (P01) |
| Sequence: | MPKRGKKGAV AEDGDELRTE PEAKKSKTAA KKNDKEAAGE GPALYEDPPD QKTSPSGKPA TLKICSWNVD GLRAWIKKKG LDWVKEEAPD ILCLQETKCS ENKLPAELQE LPGLSHQYWS APSDKEGYSG VGLLSRQCPL KVSYGIGEEE HDQEGRVIVA EFDSFVLVTA YVPNAGRGLV RLEYRQRWDE AFRKFLKGLA SRKPLVLCGD LNVAHEEIDL RNPKGNKKNA GFTPQERQGF GELLQAVPLA DSFRHLYPNT PYAYTFWTYM MNARSKNVGW RLDYFLLSHS LLPALCDSKI RSKALGSDHC PITLYLAL |
| Characteristics: | Human APEX1 full-length ORF ( AAH02338, 1 a.a. - 318 a.a.) recombinant protein with GST-tag at N-terminal. |
| Purification: | in vitro wheat germ expression system |

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## Target Details

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|---|---|
| Target: | APEX1 |
| Alternative Name: | APEX1 (APEX1 Products) |
| Background: | Full Gene Name: APEX nuclease (multifunctional DNA repair enzyme) 1<br>Synonyms: APE,APE-1,APE1,APEN,APEX,APX,HAP1,REF-1,REF1 |
| Gene ID: | 328 |
| Pathways: | DNA Damage Repair, Chromatin Binding, Cell RedoxHomeostasis, Smooth Muscle Cell Migration, Positive Regulation of Response to DNA Damage Stimulus |

## Application Details

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|---|---|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment: | Preparation method: in vitro, wheat germ expression system<br>Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue. |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Buffer: | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer. |
| Handling Advice: | Aliquot to avoid repeated freezing and thawing. |
| Storage: | -80 °C |
| Storage Comment: | Best use within three months from the date of receipt of this protein. |

## Publications

| | |
|---|---|
| Product cited in: | Zhao, Gao, Zhang, Wei, Liu, Deng: "Bcl2 inhibits abasic site repair by down-regulating APE1 endonuclease activity." in: **The Journal of biological chemistry**, Vol. 283, Issue 15, pp. 9925-32, (2008) (PubMed). |

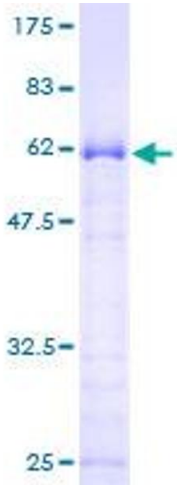


**Image 1.**

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