# Recombinant Human GAPDHS Protein (69-408 aa), His-tagged

**Cat. No.** GAPDHS-2796H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human GAPDHS Protein (69-408 aa) is produced by Baculovirus expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial. |
| **Species** | Human |
| **Source** | Insect Cells |
| **ProteinLength** | 69-408 aa |
| **Description** | May play an important role in regulating the switch between different pathways for energy production during spermiogenesis and in the spermatozoon. Required for sperm motility and male fertility (By similarity). |
| **Form** | Tris-based buffer,50% glycerol |
| **Molecular Mass** | 39.1 kDa |
| **AA Sequence** | MVSVARELTVGINGFGRIGRLVLRACMEKGVKVVAVNDPFIDPEYMVYMFKYDSTH GRYKGSVEFRNGQLVVDNHEISVYQCKEPKQIPWRAVGSPYVVESTGVYLSIQAAS DHISAGAQRVVISAPSPDAPMFVMGVNENDYNPGSMNIVSNASCTTNCLAPLAKVIH ERFGIVEGLMTTVHSYTATQKTVDGPSRKAWRDGRGAHQNIIPASTGAAKAVTKVIP ELKGKLTGMAFRVPTPDVSVVDLTCRLAQPAPYSAIKEAVKAAAKGPMAGILAYTED EVVSTDFLGDTHSSIFDAKAGIALNDNFVKLISWYDNEYGYSHRVVDLLRYMFSRDK |

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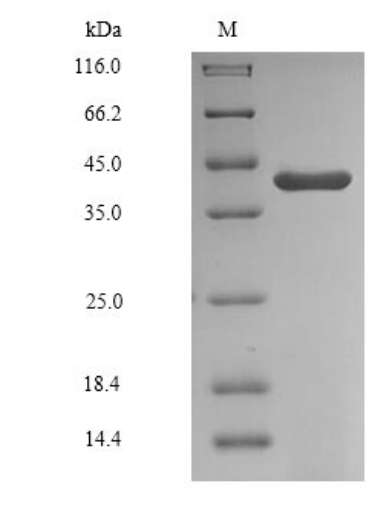
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| **Purity** | > 85% as determined by SDS-PAGE. |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week. |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| **Concentration** | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information. |

## GENE INFORMATION

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| **Gene Name** | GAPDHS glyceraldehyde-3-phosphate dehydrogenase, spermatogenic [ Homo sapiens ] |
| **Official Symbol** | GAPDHS |
| **Synonyms** | GAPDHS; GAPDS; GAPD2; GAPDH 2; spermatogenic glyceraldehyde-3-phosphate dehydrogenase; HSD-35; GAPDH-2; |
| **Gene ID** | 26330 |
| **mRNA Refseq** | NM_014364 |
| **Protein Refseq** | NP_055179 |
| **MIM** | 609169 |

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| **UniProt ID** | O14556 |




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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