

Datasheet for ABIN7550968
PSMA8 Protein (AA 1-256) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | PSMA8 |
| Protein Characteristics: | AA 1-256 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PSMA8 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant PSMA8 Protein expressed in mammalian cells. |
| Sequence: | <p>MASRYDRAIT VFSPDGHLFQ VEYAQEAVKK GSTAVGIRGT NIVVLGVEKK SVAKLQDERT</p> <p>VRKICALDDH VCMFAVLTI FIGLTADARV VINRARVECQ SHKLTVEDPV TVEYITRFIA</p> <p>TLKQKYTQSN GRRPFGISAL IVGFDDDDGIS RLYQTDPSGT YHAWKANAIG RSAKTVREFL</p> <p>EKNYTEDAIA SDSEAIKLAI KALLEVVQSG GKNIELAIIR RNQPLKMFSA KEVELYVTEI</p> <p>EKEKEEAEEK KSKKSV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p> |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts. |

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade: | custom-made |

Target Details

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| Target: | PSMA8 |
| Alternative Name: | PSMA8 (PSMA8 Products) |
| Background: | <p>Proteasome subunit alpha-type 8 (Proteasome alpha 4 subunit) (Alpha4s) (Proteasome subunit alpha-type 7-like),FUNCTION: Component of the spermatoproteasome, a proteasome specifically found in testis that promotes acetylation-dependent degradation of histones, thereby participating actively to the exchange of histones during spermatogenesis. The proteasome is a protein complex that degrades unneeded or damaged proteins by proteolysis, a chemical reaction that breaks peptide bonds. Required for 20S core proteasome assembly, essential for the degradation of meiotic proteins RAD51 and RPA1 at late prophase I and the progression of meiosis I during spermatogenesis. Localizes to the synaptonemal complex, a 'zipper'-like structure that holds homologous chromosome pairs in synapsis during meiotic prophase I. {ECO:0000250 UniProtKB:Q9CWH6}.</p> |
| Molecular Weight: | 28.5 kDa |
| UniProt: | Q8TAA3 |
| Pathways: | DNA Replication, Synthesis of DNA |

Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |