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Datasheet for ABIN7557731

HSD3B5 Protein (AA 1-373) (His tag)

Overview

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| Quantity: | 1 mg |
| Target: | HSD3B5 |
| Protein Characteristics: | AA 1-373 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This HSD3B5 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Hsd3b5 Protein expressed in mammalian cells. |
| Sequence: | MPGWSCLVTG AGGFLGQRIV RMLVQEEELQ EIRALFRTFG RKHEEELSKL QTKAKVRVLK GDILDAQCLK RACQGMSAVI HTAAIDPLG AASRQTILDV NLKGTQLLLD ACVEASVPTF IYSSSVLVAG PNSYKEIILN AHEEEHREST WPNPYPYSKR MAEKAVLATN GRLLKNGGTL HTCALRLPFI YGEECQVTST TVKTALKNNS IIKKNATFSI ANPVYVGNAW WAHILAARSL QDPKKSPIQ GQFYISDNT PHQSYDDLNY TLSKEWGLCL DSGWSLPLSL LYWLAFLLT VSFLLRPVYN YRPPFNRLLI TVLNSVFTIS YKKAQRDLGY QPLVSWEAK QKTSEWIGTL VKQHRETLHK KSQ 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. |
| 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: | Key Benefits: |

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- 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: | HSD3B5 |
| Alternative Name: | Hsd3b5 (HSD3B5 Products) |
| Background: | NADPH-dependent 3-keto-steroid reductase Hsd3b5 (3 beta-hydroxysteroid dehydrogenase type 5) (3 beta-hydroxysteroid dehydrogenase type V) (3 beta-HSD V) (EC 1.1.1.270) (Dihydrotestosterone 3-ketoreductase) (EC 1.1.1.210),FUNCTION: Responsible for the reduction of the oxo group on the C-3 of 5alpha-androstane steroids. Catalyzes the conversion of dihydrotestosterone to its inactive form 5alpha-androstanediol, that does not bind androgen receptor/AR. Does not function as an isomerase. {ECO:0000269 PubMed:7491113}. |
| Molecular Weight: | 41.9 kDa |
| UniProt: | Q61694 |

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 |