Datasheet for ABIN1633948

# TSTA3 Protein (AA 1-321) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | TSTA3 |
| Protein Characteristics: | AA 1-321 |
| Origin: | Orang-Utan |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TSTA3 protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | MGEPQGSMRI LVTGGSGLVG KAIQKVVADG AGLPGEDWVF VSSKDADLTD AAQTRALLEK VRPTHVIHLA AMVGGLFRNI KYNLDFWRKN VHINDNVLHS AFEVGARKVV SCLSTCIFPD KTTYPIDETM IHNGPPHSSN FGYSYVKRMI DVQNRAYFQQ YGCTFTAVIP TNVFGPHDNF NIEDGHVLPG LIHKVHLAKS SGSALTVWGT GKPRRQFIYS LDLAQLFIWV LREYNEVEPI ILSVGEDDEV SIKEAAEAVV EAMDFHGEVT FDTTKSDGQF KKTASNSKLR TYLPDFRFTP FKQAVKETCA WFTDNYEQAR K |
| Specificity: | Pongo abelii (Sumatran orangutan) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

## Target Details

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| Target: | TSTA3 |
| Alternative Name: | GDP-L-fucose synthase (TSTA3) (TSTA3 Products) |
| Background: | Recommended name: GDP-L-fucose synthase.<br>EC= 1.1.1.271.<br>Alternative name(s): GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase Protein FX<br>Red cell NADP(H)-binding protein |
| UniProt: | Q5RBE5 |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |