

Recombinant human SIX1 protein

Catalog Number: ATGP1728

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-284aa

UniProt No.

Q15475

NCBI Accession No.

NP_005973

Alternative Names

homeobox protein SIX1, BOS3, DFNA23, TIP39

PRODUCT SPECIFICATION

Molecular Weight

34.7 kDa (308aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 2M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SIX1, also known as homeobox protein SIX1, is a member of the SIX gene family. It encodes protein that is characterized by a divergent DNA-binding homeodomain and an upstream SIX domain, which may be involved both in determining DNA-binding specificity and in mediating protein-protein interactions. It has been shown to play roles in vertebrate and insect development or has been implicated in maintenance of the differentiated state of tissues. Recombinant human SIX1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

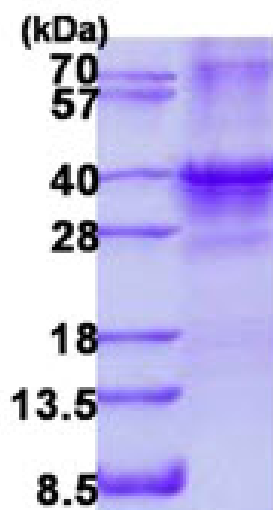
MGSSHHHHHHH SSGLVPRGSH MGSMSMLPS FGFTQEQVAC VCEVLQQGGN LERLGRFLWS LPACDHLHKN
ESVLKAKAVV AFHRGNFREL YKILESHQFS PHNHPKLQQL WLKAHYVEAE KLRGRPLGAV GK YRVRRKFP LPRTIWDGEE
TSYCFKEKSR GVLREWYAHN PYPSPREKRE LAEATGLTTT QVSNWFKNRR QRDRAAEAKE RENTENNNSS SNKQNQLSPL
EGGKPLMSSS EEEFSPQPSP DQNSVLLLQG NMGHARSSNY SLPGLTASQP SHGLQTHQHQ LQDSLLGPLT SSLVDLGS

General References

Ruf RG. et al. (2004) Proc Natl Acad Sci U S A. 101(21):8090-8095.
Oliver G. et al. (1995) Development. 121(3):693-705.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)