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

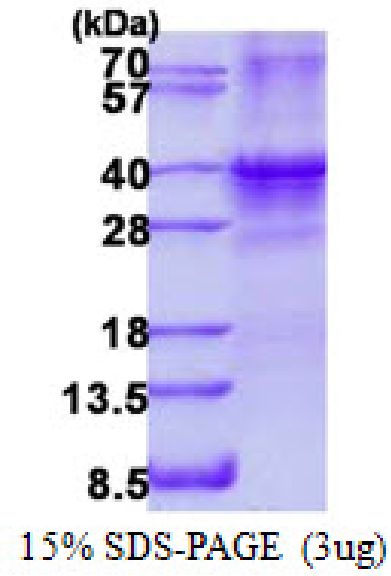
MGSSHHHHHH SSGLVPRGSH MGSHMSMLPS FGFTQEQVAC VCEVLQQGGN LERLGRFLWS LPACDHLHKN ESVLKAKAVV AFHRGNFREL YKILESHQFS PHNHPKLQQL WLKAHYVEAE KLRGRPLGAV GKYRVRRKFP LPRTIWDGEE TSYCFKEKSR GVLREWYAHN PYPSPREKRE LAEATGLTTT QVSNWFKNRR QRDRAAEAKE RENTENNNSS SNKQNQLSPL EGGKPLMSSS EEEFSPPQSP DQNSVLLLQG NMGHARSSNY SLPGLTASQP 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



15% SDS-PAGE (3ug)

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