

SIX1, 1-284aa , Human, His tag, E.coli

Cat.NO.: TP03950

3th Edition

Synonyms:homeobox protein SIX1, BOS3, DFNA23, TIP39

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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 2M Urea

Molecular Weight:34.7 kDa(308aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSMLPSFGFTQEQVACVCEVLQQGGNLERLGRFLWSLPACDHLHKNESV
LKAKAVVAFHRGNFRELYKILESHQFSPHNHPKLQQLWLKAHYVEAEKLRGRPLGAVGKYRVRKFPPLPRTIWDGE
ETSYCFKEKSRGVLREWYAHNPYPSPREKRELAETGLTTTQVSNWFKNRRQRDRAAEAKERENTENNNSSSNK
QNQLSPLEGGKPLMSSSEEEFSPSPDQNSVLLLQGNMGHARSSNYSLPGLTASQPSHGLQTHQHQLQDSLLG
PLTSSLVDLGS

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.