Recombinant human DERP6/ELP5 protein

Catalog Number: ATGP2274

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-316aa

UniProt No.
Q8TE02

NCBI Accession No.
NP_056177

Alternative Names
Elongator acetyltransferase complex subunit 5, C17orf81, DERP6, HSPC002, MST071, MSTP071, Elongator complex protein 5, Dermal papilla derived protein 6, S-phase 2 protein

PRODUCT SPECIFICATION

Molecular Weight
37.2 kDa (339aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity
> 80% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

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
Elongator acetyltransferase complex subunit 5, also known as ELP5, acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4. This protein is involved in cell migration. Recombinant human ELP5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

chromatography techniques.

Amino acid Sequence

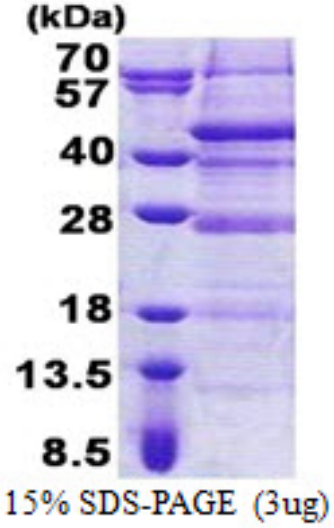
MGSSHHHHHH SSGLVPRGSH MGSMTPSEGA RAGTGRELEM LDSLLALGGL VLLRDSVEWE GRSLLKALVK KSALCGEQVH ILGCEVSEEE FREGFDSDIN NRLVYHDFFR DPLNWSKTEE AFPGGPLGAL RAMCKRTDPV PVTIALDSLS WLLLRLPCTT LCQVLHAVSH QDSCPGDSSS VGKVSVLGLL HEELHGPGPV GALSSLAQTE VTLGGTMGQA SAHILCRRPR QRPTDQTQWF SILPDFSLDL QEGPSVESQP YSDPHIPPVD PTTHLTFNLH LSKKEREARD SLILPFQFSS EKQQALLRPR PGQATSHIFY EPDAYDDLDQ EDPDDDLDI

General References

Yuan J., et al. (2006) Mol. Biol. Rep. 33:151-158
Zhang Q.-H., et al. (2000) Genome Res. 10:1546-1560

DATA

SDS-PAGE



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