

Recombinant drosophila melanogaster GAGA-POZ protein

Catalog Number: POZ3001

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-130aa

UniProt No.

Q08605

NCBI Accession No.

NP_996080

Alternative Names

Trithorax-like isoform A, Trl, Adf-2, GAGA, Nc70F, TFGAGA, GAGA-POZ domain, Trithorax-like protein, GAGA factor, GAF, Adh transcription factor 2, Neural conserved at 70F, Transcription factor GAGA, Trithorax-like isoform A, Trithorax like protein

PRODUCT SPECIFICATION

Molecular Weight

14 kDa (130aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 10mM HEPES buffer (pH 7.4) containing 25mM NaCl

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

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

The GAGA factor is a sequence-specific DNA-binding protein, which participates in the regulation of the expression of a variety of different classes of genes in Drosophila such as many developmentally regulated genes, stress induced genes, and cell cycle regulated genes, as well as housekeeping genes. GAGA contains a C-terminal glutamine-rich domain and a highly conserved N-terminal POZ domain which reported to be involved in

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self-oligomerization in a number of other POZ domain containing proteins. In case of GAGA protein, the N-terminal POZ domain mediates the formation of oligomers both in vitro and in vivo. GAGA-POZ domain was overexpressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

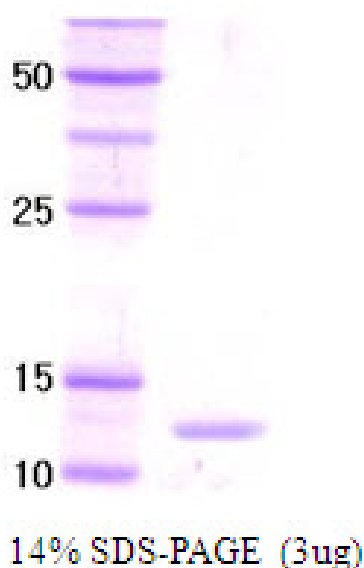
MSLPMNSLYS LTWGDYGTSL VSAIQLLRCH GDLVDCTLAA GGRSFPAHKI VLCAASPFLL DLLKNTPCCKH PVVMLAGVNA
NDLEALLEFV YRGEVSVDHA QLPSLLQAAQ CLNIQGLAPQ TVTKDDYTTH

General References

Kosoy A., et al. (2002) J Biol.Chem. 277(44), 42280-8.
Espinosa ML., et al. (1999) J Biol. Chem. 274(23),16461-9.
Farkas G., et al. (1994) Nature 371, 806-808.

DATA

SDS-PAGE



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