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 DLLKNTPCKH PVVMLAGVNA NDLEALLEFV YRGEVSVDHA QLPSLLQAAQ CLNIQGLAPQ TVTKDDYTTH

General References

Kosoy A., et al. (2002) J Biol.Chem. 277(44), 42280-8.
Espinas 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.