

Recombinant Drosophila Melanogaster Trithorax-like, Isoform A

Cat. No. Trl-352D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Drosophila melanogaster GAGA-POZ domain was overexpressed in E.coli and purified by using conventional chromatography techniques, 14 kDa (130 aa).
Species	Drosophila
Source	E.coli
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 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.
Form	Liquid. In 10 mM HEPES (pH 7.4) containing 25 mM NaCl
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino	MSLPMNSLYS LTWGDYGTSL VSAIQLLRCH GDLVDCTLAA GGRSFP AHKI

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acids	VLCAASPFLI DLLKNTPKH PVVMLAGVNA NDLEALLEFVYRGE VSVDHA QLPSLLQAAQ CLNIQGLAPQ TVTKDDYTTH
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.
GENE INFORMATION	
Gene Name	Trl Trithorax-like [<i>Drosophila melanogaster</i>]
Synonyms	Adf-2; Adf-2-519; Adf2; CG9343; E(var)3-trl; E(var)62; GAF; GAGA; NC70F; TRL; TfGAGA/Adf-2; Trl-GAGA; anon-EST:fe2E12; I(3)s2325; Dmel\CG33261; CG33261; Trl; Trithorax-like, isoform B; CG33261-PB; Trl-PB; GAGA transcription factor; anon-fast-evolving-2E12; GAGA-factor; GAGA factor; transcription-factor-Adh2; Adh transcription factor 2; neural conserved at 70F; TRITHORAX-LIKE; GAGA element; Trithorax-like, isoform I; CG33261-PI; Trl-PI; Trithorax-like, isoform D; CG33261-PD; Trl-PD; Trithorax-like, isoform A; CG33261-PE; Trl-PE.
Gene ID	2768981
mRNA Refseq	NM_206358
Protein Refseq	NP_996080
UniProt ID	Q08605
Function	DNA binding; DNA binding; RNA polymerase II transcription factor activity; protein binding; specific RNA polymerase II transcription factor activity; specific RNA polymerase II transcription factor activity; zinc ion binding.