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Product Datasheet

Product Name	GAGA-POZ Drosophila Melanogaster Recombinant
Cata No	CB501055
Source	*Escherichia Coli.*
Synonyms	Transcription factor GAGA, Trithorax-like protein, GAGA factor, GAF, Adh transcription factor 2, Neural conserved at 70F, Trl, Adf-2, GAGA, Nc70F, TFGAGA, CG33261, GAGA-POZ.

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*. GAGA-POZ Drosophila Melanogaster Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 130 amino acids & having a molecular mass of 14 kDa.

Physical Appearance
Sterile filtered colorless solution.

Purity
Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation
The protein (1mg/ml) containing 10mM HEPES (pH-7.4) and 25mM NaCl.

Stability
Store at 4℃ if entire vial will be used within 2-4 weeks. Store, frozen at -20℃ for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Avoid multiple freeze-thaw cycles.

Sequence
MSLPMNSLYS LTWGDYGTSL VSAIQLLRCH GDLVDCTLAA GGRSFPAHKI VLCAASPFLLDLLKNTPCKH PVVMLAGVNA NDLEALLEFV YRGEVSVDHA QLPSLLQAAQ CLNIQGLAPQTVTKDDYTTH

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