

Recombinant Drosophila Melanogaster Trithorax-Like

Cat. No. Trl-4370D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Drosophila
Source	Drosophila Melanogaster
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	The protein containing 10mM HEPES (pH-7.4) and 25mM NaCl.
Purity	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE; Sterile filtered colorless solution.
Physical Appearance	Sterile filtered colorless solution.
Amino Acid	MSLPMNSLYSLTWGDYGTSLVSAIQLLRCHGDLVDCTLAAGGR SFP AHKIVLCAAS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequence	PFLDLLKNTPCCKHPVVMLAGVNANDLEALL EFVYRGEVSVDHAQLPSLLQAAQCL NIQGLAPQTVTKDDYTTH
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C 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.
Functions	DNA binding; protein binding; sequence-specific DNA binding transcription factor activity; zinc ion binding

GENE INFORMATION

Gene Name	Trl Trithorax-like [<i>Drosophila melanogaster</i>]
Official Symbol	Trl
Synonyms	trl; Adf-2; Adf-2-519; Adf2; anon-EST:fe2E12; CG- 33261; CG9343; Dmel\CG33261; E(var)3-trl; E(var)62; Gaf; GAF; gaga; Gaga; GAGA; l(3)s2325; Nc70F; NC70F; TfGA-GA/Adf-2; TRL; Trl-GAGA
Gene ID	2768981
mRNA Refseq	NM_001038926
Protein Refseq	NP_001034015
MIM	605125
UniProt ID	Q2PDY2
Chromosome	70F4-70F4

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Location

 Tel: 1-631-559-9269 1-516-512-3133
 Email: info@creative-biomart.com  Fax: 1-631-938-8127
 45-1 Ramsey Road, Shirley, NY 11967, USA