

Drosophila TSH Recombinant Protein

PX-P1054-10

DESCRIPTION

Protein teashirt from *Drosophila melanogaster* (Fruit fly) also known as TSH is initially localized in the cytoplasm soon after the blastoderm stage, and becomes nuclear by stage 9. It belongs to the teashirt C2H2-type zinc-finger protein family. It is a homeotic protein that acts downstream of Arm in the Wg cascade during embryogenesis to determine segment identity throughout the entire trunk. The protein shows a dynamic expression pattern during embryogenesis, expressed throughout embryonic, larval and adult development. TSH may play a role in wing hinge development. Possible involvement in chromatin structure for modulation of transcription. Binds DNA and can act as both a transcriptional repressor and activator.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	<i>Drosophila</i>
FRAGMENT	Partial*
PROTEIN DELIVERED WITH TAG	No
MOLECULAR WEIGHT WITH TAG IF ANY	19,65 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	<i>E.coli</i>
PURITY	0,8
PROTEIN ACCESSION	AAA28983.1
FORM	liquid
BUFFER	3C-protease cleavage buffer: TrisHC 50mM, NaCl 150mM, EDTA 1mM, DTT 1mM, pH7
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID	35430
SWISSPROTID	P22265
UNIPROT ID	P22265
UNIPROT LINK	http://www.uniprot.org/uniprot/P22265
NCBI GENE ALIASES	CG1374, ae, Tsh, T shirt, l(2)B4-2-12, l(2)04319, ae[1], Dmel\CG1374
SYNONYMS	TSH, teashirt, Protein teashirt, CG1374

PROTEIN SEQUENCE

GPLGSANSSERCPSHDSNSSEHGGGAGSGGVGHRDLAAALSTGVMPGEGPTTLHSSFPVVPQSLPSQPPSMEAYLHMVAA
AAQYGFPLAAAAAAGAGPRLPLANEAAAPFKLPPQASPTASSNNEALDFRTNLYGRAESAEPASEGEEEEFDDGA
NNPLDLSVGTRKRGHESEPLGHQVKKMFKSD

For research use only.