

Product datasheet for TP522861

Figla (NM_012013) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse folliculogenesis specific basic helix-loop-helix (Figla), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222861 representing NM_012013 Red =Cloning site Green =Tags(s)
	 MDTAPASPEPFLVTPQAEVLEELIQAQMGPLPRLAAICRLKRLPSGGYSTDDDLHLVLERRRVANAKERE RIKLNLRGFAKLKALVPFLPQSRKPSKVDILKGATEYIQLGCVLEEAKVSEKQSPEEQTHSGRPSDPHV SSTRELLGNATQPTSCASGLKKEEKPWAYAGHSEPLYSYHQSTVPETRSYFTH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	22 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036143
Locus ID:	26910
UniProt ID:	O55208
RefSeq Size:	759
Cytogenetics:	6 C3



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RefSeq ORF: 582

Synonyms: bHLHc8; FIGalpha

Summary: Germ-line specific transcription factor implicated in postnatal oocyte-specific gene expression. Plays a key regulatory role in the expression of multiple oocyte-specific genes, including those that initiate folliculogenesis and those that encode the zona pellucida (ZP1, ZP2 and ZP3) required for fertilization and early embryonic survival. Essential for oocytes to survive and form primordial follicles. The persistence of FIGLA in adult females suggests that it may regulate additional pathways that are essential for normal ovarian development. Binds to the E-box (5'-CANNTG-3') of the ZPs (ZP1, ZP2, ZP3) promoters.[UniProtKB/Swiss-Prot Function]