

Product datasheet for **AM05397PU-N**

GAL4 (Activation Domain) Mouse Monoclonal Antibody [Clone ID: 5C8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5C8
Applications:	IP, WB
Recommended Dilution:	Western blot (5-10 µg/ml). Immunoprecipitation.
Reactivity:	Yeast
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Hybridoma produced by the fusion of splenocytes from mice immunized with full length GAL4 expressed in E. Coli and Mouse myeloma cells.
Specificity:	Recognizes GAL4 derivatives containing the C-terminal activation domain.
Formulation:	Phosphate buffered saline (PBS) State: Purified State: Liquid purified Ig fraction Preservative: 0.08% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P04386



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Background:

GAL4 is a transcriptional activator which activates genes necessary for galactose catabolism. The DNA binding domain of GAL4 is contained in the first 74 amino acids and contains a zinc finger sequence motif. However, amino acids 1-147 have been shown to bind to DNA in vitro. While GAL4 (1-74) bind DNA specifically, it is with a lower affinity than the GAL4 (1-147). GAL4 (1-147) binds to a specific 17 base pair nucleotide sequence, but alone is insufficient to activate transcription. Either of the two acidic activating regions, activating region I (amino acids 148-238) or activating region II (amino acids 768-881), must be joined to activate transcription.

Synonyms:

GAL81