

Product datasheet for **TP723069**

Egf (NM_010113) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse epidermal growth factor (Egf).
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	NSYPGCPSSY DGYCLNGGVC MHIESLDSYT CNCVIGYSGD RCQTRDLRWW ELR
Tag:	Tag Free
Predicted MW:	6 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	The ED50 was determined by a cell proliferation assay using BALB/c 3T3 cells is less than or equal to 0.1 ng/ml, corresponding to a specific activity of $> 1 \times 10^7$ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C .
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_034243
Locus ID:	13645
UniProt ID:	P01132 , Q3UWD7
RefSeq Size:	4757
Cytogenetics:	3 58.5 cM
RefSeq ORF:	3654
Synonyms:	AI790464



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Summary:

This gene encodes epidermal growth factor (EGF), the founding member of the EGF family of growth factors that are implicated in cell proliferation and differentiation. The encoded protein can localize to the membrane and function in juxtacrine signaling or undergo proteolytic processing to generate a soluble form of the hormone. Mice lacking the encoded protein do not exhibit an abnormal phenotype but transgenic mice overexpressing the encoded protein exhibit hypospermatogenesis. [provided by RefSeq, Jul 2016]

Product images: