

Product datasheet for **TP723822**

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:	Mouse EGF, 53 the region of Asn977-Arg1029, from gene Accession# NP_034243
Tag:	Tag Free
Predicted MW:	6 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 1-2 ng/ml, corresponding to a specific activity 5×10^5 - 1×10^6 units/mg, determined by a dose-dependent inhibition on A431 cells proliferation.
Endotoxin:	Less than 0.01 ng per μ g protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
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]