

PRODUCT INFORMATION SUMMARY

Murine EGF

Purified Factor	Product Number	RC444038A	100 ug
Purified Factor	Product Number	RC444038B	500 ug

DESCRIPTION:

Mouse Epidermal Growth Factor (EGF) is a growth factor that stimulates epidermal and epithelial cells, and inhibits gastric secretion. EGF signals via a class I tyrosine kinase receptor (c-erbB) which also binds TGF alpha. Murine EGF has molecular weight of 6.0 kDa, and 53 aa. residues.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug Murine EGF

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards.

Activity determined by proliferation assay using balb/c 3T3 cells, at 0.1 ng/mL for 50% maximal effect with specific activity of 1.0×10^7 units/mg.

HANDLING AND STORAGE:

Purified Murine EGF factor is provided lyophilized and free of additives. Store lyophilized, at -20° C. Reconstitute with **distilled water** to concentration of 100 ug/mL, then further dilute in PBS or other buffered solutions (**pH 7.2**). Store small aliquots with carrier protein (ie. 0.1% BSA) at -20° C for long-term storage, at high concentration.

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE