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Product Datasheet

Recombinant Mouse EGF (C-6His)
EBT-EPT032

Article Name	Recombinant Mouse EGF (C-6His)
Biozol Catalog Number	EBT-EPT032
Supplier Catalog Number	EPT032
Alternative Catalog Number	EBT-EPT032-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse Epidermal Growth Factor is produced by our E.coli expression system and the target gene encoding Asn977-Arg1029 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 7.2 KDa. Apparent molecular weight: 9-14 KDa, reducing conditions
UniProt	P01132
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/µg (0.01 EU/µg) as determined by LAL test. Background: EGF is a single-pass type I membrane protein,containing 8 LDL-receptor class B repeats and 9 EGF-like domains. EGF results in cellular proliferation, differentiation, and survival.EGF is a low-molecular-weight polypeptide first purified from the mouse submandibular gland, but since then found in many human tissues including submandibular gland, parotid gland. Salivary EGF, which seems also regulated by dietary inorganic iodine, also plays an important physiological role in the maintenance of oro-esophageal and gastric tissue integrity. The biological effects of salivary EGF include healing of oral and gastroesophageal ulcers, inhibition of gastric acid secretion, stimulation of DNA synthesis as well as mucosal protection from intraluminal injurious factors such as gastric acid, bile acids, pepsin, and trypsin and to physical, chemical and bacterial agents