

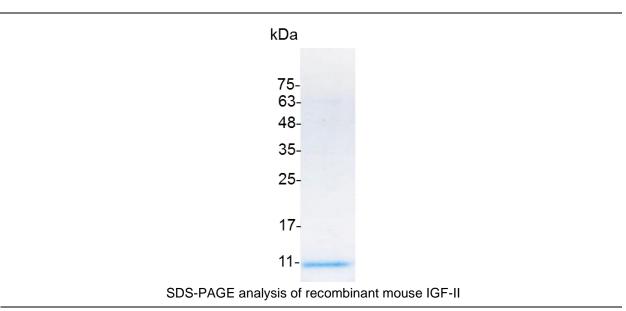
PRODUCT INFORMATION

IGF-II (Insulin-like growth factor-II), Mouse

v. 231101

| Catalog number | C02063-5UG / C02063-20UG / C02063-100UG |
|---------------------|---|
| Package | 5 μg / 20 μg / 100 μg |
| Description | Insulin-like growth factor 2 (IGF-2) is one of three protein hormones that share structural similarity to insulin. The major role of IGF-2 is as a growth promoting hormone during gestation. It is believed to be a major fetal growth factor in contrast to Insulin-like growth factor 1, which is a major growth factor in adults. |
| Source | Escherichia coli |
| Sequence | YGPGETLCGGELVDTLQFVCSDRGFYFSRPSSRANRRSRGIVEECCFRSCDLA LLETYCATPAKSE with polyhistidine tag at the N-terminus |
| Endotoxin level | <0.1 EU per 1 µg of the protein by the LAL method. |
| Activity | Measure by its ability to induce MCF-7 cells proliferation. The ED $_{50}$ for this effect is <6 ng/mL. The specific activity of recombinant mouse IGF-II is > 1.5 x 10^5 IU/mg. |
| Purity | >98% as determined by SDS-PAGE. |
| Form | Lyophilized |
| Storage Buffer | Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 $\mu g/mL$ and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| Stability & Storage | This product is stable after storage at: - 20°C for 12 months in lyophilized state from date of receipt. - 20°C or -80°C for two weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles. |





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