

Recombinant Human DES (1-3) Insulin-like Growth Factor-1 Catalog Number: SJA12**Specifications and Use**

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| Description | <ul style="list-style-type: none">● rHuDes (1-3) IGF-1, is a truncated variant of human IGF-1 with the tripeptide Gly-Pro-Glu absent from the N-terminus. Des (1-3) IGF-I is more potent than IGF-I in vitro and in vivo. |
| Source | <ul style="list-style-type: none">● Yeast. |
| Molecular Mass | <ul style="list-style-type: none">● 7.3kD-7.6kD, glycosylated polypeptide. |
| Purity | <ul style="list-style-type: none">● ≥97%. |
| Endotoxin Level | <ul style="list-style-type: none">● <1EU/μg, determined by the LAL method. |
| Biological Activity | <ul style="list-style-type: none">● ≥1000IU/mg, determined by a cell proliferation assay using MCF-7 cells. |
| Formulation | <ul style="list-style-type: none">● Lyophilized from a 0.2μm filtered solution in 50mM PBNa. |
| Reconstitution | <ul style="list-style-type: none">● It is recommended to reconstitute the lyophilized rHuDes (1-3) IGF-1 in 0.2ml sterile water. |
| Storage | <ul style="list-style-type: none">● Lyophilized samples are stable for greater than six months from date of receipt at -20°C to -70°C.● Avoid repeated freeze-thaw cycles. |

Insulin-like Growth Factor-1

IGF-1 promotes the proliferation, migration, and differentiation of a wide variety of cell types. It plays an important role in muscle regeneration and tumor progression.

FOR LABORATORY USE ONLY.