

CGA

Native Human Chorionic Gonadotropin subunit alpha, High Purity

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|---------------------------------|---|------------------|----------------|
| Catalog No. | CS073A CS073B | Quantity: | 100 µg 1 mg |
| Alternate Names: | alpha hCG, CG-alpha, Glycoprotein hormones alpha chain | | |
| Description: | Alpha HCG is the shared alpha chain of the active heterodimeric glycoprotein hormones thyrotropin/thyroid stimulating hormone/TSH, lutropin/luteinizing hormone/LH, follitropin/follicle stimulating hormone/FSH and choriogonadotropin/CG. These hormones bind specific receptors on target cells that in turn activate downstream signaling pathways. | | |
| UniProt ID: | P01215 | | |
| Gene ID: | 1081 | | |
| Concentration: | 1mg/mg, $E^{0.1\%}_{280nm} = 0.43$ | | |
| Source: | Human Urine | | |
| Molecular Weight: | Approximately 14.5 kDa | | |
| Formulation: | Lyophilized from 50mM Ammonium Bicarbonate | | |
| Purity: | ≥ 95 % by SDS-PAGE | | |
| Reconstitution: | Gonadotropins are extremely labile in solution. Reconstitute immediately prior to use, at 1.0 mg/ml, in a physiologic solution such as PBS or TBS. Include a carrier protein such as 1% BSA. If your application precludes the use of a carrier protein, reconstitute product at 5 - 10 mg/ml. Avoid extreme high and low pH. | | |
| Storage & Stability: | Store as supplied for up to 1 year at -20°C to -80°C. It is recommended to use the product immediately following reconstitution. If storage is necessary following reconstitution, prepare single-use aliquots and immediately store at -80°C for up to 3 months. Avoid repeated freeze/thaw cycles. | | |
| Certification: | Serum from donors has been tested and found to be negative for HIV-1/HIV-2, Hepatitis B Core Antigen, Hepatitis B Surface Antigen, Hepatitis C Virus and Syphilis by current FDA approved methods. However, because no test method can offer complete assurance that HIV, HBsAg, HCV, Syphilis or other infectious agents are absent, this material should be handled at the Bio-safety Level 2 (BSL 2) as recommended for any potentially infectious human serum or blood specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 1999. | | |

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