

Product datasheet for TP727422

hCG (CGA) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Follicle-Stimulating Hormone $\hat{1}\pm/\hat{1}^2$ Dimer
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala25-Ser116&Asn19-Glu129
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Follicle-Stimulating Hormone is produced by our Mammalian expression system and the target gene encoding Ala25-Ser116&Asn19-Glu129 is expressed with a Flag tag&6His at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	1081
UniProt ID:	P01215
Summary:	Human Follicle-stimulating hormone (FSH) is a member of glycoprotein hormones subunit beta family, which also includes LH, chorionic gonadotropin (CG) and thyroid-stimulating hormone (TSH). FSH and its family members are heterodimers consisting of non-covalently linked $\hat{1}\pm$ - and $\hat{1}^2$ -subunits. They share an identical $\hat{1}\pm$ -subunit, and $\hat{1}^2$ -subunits vary. FSH has a unique $\hat{1}^2$ -subunit (FSH $\hat{1}^2$), which confers its specific biologic activity and is responsible for interaction with the FSH-receptor which belongs to a subfamily of GPCRs called leucine-rich-repeat-containing GPCRs (LGRs). FSH is secreted from the pituitary gland and regulates reproduction in mammals. FSH stimulates sertoli cell proliferation in testes and supports spermatogenesis in males, and induces the maturation of ovarian follicles in females.



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