

CGA

Native Human TSH Alpha Subunit, High Purity

Catalog No.	CRT146	Quantity:	100 µg
Alternate Names:	Thyroid stimulating hormone, TSH-alpha, Glycoprotein hormones alpha chain		
Description:	Glycoprotein hormones alpha chain 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. The beta chain, which is unique for each hormone, confers their specificity.		
UniProt ID:	P01215		
Gene ID:	1081		
Source:	Human pituitary glands		
Formulation:	Lyophilized from 50 mM ammonium bicarbonate		
Purity:	> 98% as determined by SDS-PAGE analysis		
Contaminants:	hLH < 0.01% lot specific hFSH < 0.01% lot specific hTSH (whole) < 0.05% lot specific		
Reconstitution:	Pituitary hormones such as TSH are extremely labile in solution. Reconstitute immediately prior to use, directly in the vial , at 1-2 mg/ml, in a physiologic solution such as PBS or 50 mM TBS, at a neutral pH 7.5. 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 lyophilized product at -20°C for at least 1 year.		
Infectious Disease Statement:	Raw material was tested at the donor level to be negative against HCV, HBsAg, and HIV 1 & 2 and Syphilis by FDA approved methods.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.