

For Research Use Only

Recombinant Human CORT protein (rFc Tag)



Catalog Number: Eg4060

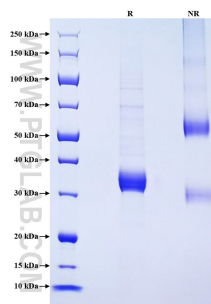
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human CORT protein Gln77-Lys105 (Accession# O00230) with a rabbit IgG Fc tag at the C-terminus. GeneID: 1325 Accession: O00230 Predicted Molecular Mass: 29.7 kDa SDS-PAGE: 32-38 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Cortistatin (CORT) is a multifunctional neuropeptide that inhibits tumor development in a variety of malignant tumors. CORT is widely expressed in the nervous, endocrine, and immune systems, with the best expression in inhibitory neurons in the cerebral cortex. CORT plays a critical role in a variety of physiological and disease processes, including immune responses, heart disease and neurological degeneration. Its overexpression significantly reduces the ability of glioma cells to proliferate and migrate in vitro and to form tumors in vivo. (PMID: 38292193)		
References	1. He Z, et al. Genes Dis. 2023;11(3):100977. 2. Zhao Y, et al. Theranostics. 2020;10(15):7015-7033. 3. Liang J, et al. Cardiovasc Diagn Ther. 2019;9(4):394-399. 4. Gao Y, et al. Commun Biol. 2024;7(1):132.		
Synonyms	Cortactin, cortistatin, UNQ307/PRO350		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human CORT was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.