Recombinant NCOA5 protein (His tag)

Catalog Number	541303
Synonyms	NCoA-5; Coactivator independent of AF-2; CIA
Species	Human
Expression System	E. coli
Accession	Q9HCD5
Molecular Weight	Predictes a molecular mass of 25.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	171-376
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 171-376 aa (Q9HCD5) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	This product is a recombinant fragment of Nuclear receptor coactivator 5 (NCoA-5), spanning residues 171-376, designed for structural and biochemical studies. It represents a stable and soluble unit of this key nuclear receptor coregulator, facilitating research into its coactivator and corepressor functions. Nuclear receptor coactivator 5 (NCoA-5) is a nuclear receptor coregulator in Homo sapiens that exhibits both coactivator and corepressor activities. It interacts with steroid nuclear receptors such as ESR1 and ESR2 independently of their AF-2 domain, as well as with the orphan nuclear receptor NR1D2. NCoA-5 is involved in coactivating nuclear steroid receptors (e.g., ER) and corepressing MYC in response to 17-beta-estradiol (E2), highlighting its role in hormone-responsive signaling pathways. The protein is localized to the nucleus, where it modulates transcriptional regulation.