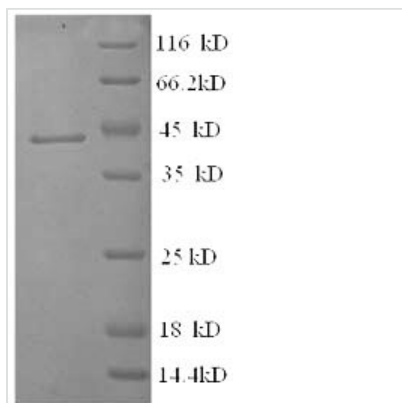




Recombinant Human Corticosteroid-binding globulin (SERPINA6)

Product Code	CSB-EP021062HU
Relevance	Major transport protein for glucocorticoids and progestins in the blood of almost all vertebrate species.
Abbreviation	Recombinant Human SERPINA6 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P08185
Alias	Serpin A6Transcortin
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MDPNAAYVNMSNHHRGLASANVDFAFSLYKHLVALSPKKNIFISPVSISMALAM LSLGTTCGHTRAQLLQGLGFNLTERSETEIHQGFQHLHQLFAKSDTSLEMTMGN ALFLDGSLELLESFSADIKHYESEVLAMNFQDWATASRQINSYVKNKTQGGKIV DLFSGLDSPAILVLVNYIFFKGTWTQPFDLASTREENFYVDETTVVKVPMMLQS STISYLHDSELPCQLVQMNYVGNGTVFFILPDKGKMNTVIAALSRDTINRWSAG LTSSQVDLYIPKVTISGVYDLGDVLEEMGIADLFTNQANFSRITQDAQLKSSKVV HKA VLQLNEEGVDTAGSTGVTLNLTSPKPIILRFNQPFIMIFDHFTWSSLFLARV MNPV
Research Area	Transport
Source	E.coli
Target Names	SERPINA6
Expression Region	23-405aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	69.6kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 23-405 constitute the expression domain of recombinant Human SERPINA6. This SERPINA6 protein is expected to have a theoretical molecular weight of 69.6 kDa. This SERPINA6 recombinant protein is manufactured in e.coli. The SERPINA6 coding gene included the N-terminal GST tag, which simplifies the detection and purification processes of the recombinant SERPINA6 protein in following stages of expression and purification.

Corticosteroid-binding globulin (SERPINA6) is a glycoprotein primarily synthesized in the liver and belongs to the serine protease inhibitor (serpin) superfamily. Its main function is to bind and transport corticosteroids, such as cortisol and corticosterone, in the bloodstream. By forming stable complexes with these hormones, SERPINA6 modulates their availability and influences their distribution to target tissues. This protein is essential in regulating the levels of circulating corticosteroids, impacting various physiological processes like immune response, metabolism, and stress adaptation. Research on SERPINA6 extends to understanding its role in endocrine homeostasis, stress-related disorders, and inflammatory conditions, shedding light on potential therapeutic applications related to corticosteroid balance in different medical contexts.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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