



# Recombinant Human Forkhead box protein C1 (FOXC1)

<b>Product Code</b>	CSB-YP618640HU
<b>Abbreviation</b>	FOXC1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q12948
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>           MQARYSVSSP NSLGVVPYLG GEQSYRAAA AAAGGGYTAM            PAMSVYSHP AHAEQYPGGM ARAYGPYTPQ PPKDMVKPP YSYIALITMA            IQNAPDKKIT LNGIQFIMD RFPFYRDNKQ GWQNSIRHNL SLNECFVKVP            RDDKKPGKGS YWTLDPDSYN MFENGSLRR RRRFKKKDAV            KDKEEKDRHL LKEPPPPGRQ PPPAPPEQAD GNAPGPQPPP VRIQDIKTEN            GTCPSPPQPL SPAALGSGS AAVPKIESP DSSSSSLSSG SSPPGSLPSA            RPLSLDGADS APPPPAPSAP PPHHSQGFSV DNIMTSLRGS PQSAAAELSS            GLLASAAASS RAGIAPPLAL GAYSPGQSSL YSSPCSQTSS AGSSGGGGGG            AGAAGGAGGA GTYHCNLQAM SLYAAGERGG HLQGAPGGAG            GSAVDDPLPD YSLPPVTSSS SSSLHGGGG GGGGGGQEAG            HHPAAHQGRL TSWYLNQAGG DLGHLASAAA AAAAAGYPGQ            QQNFHSVREM FESQRIGLNN SPVNGNSSCQ MAFPSSQSLY RTSGAFVYDC            SKF         </p>
<b>Source</b>	Yeast
<b>Target Names</b>	FOXC1
<b>Protein Names</b>	Recommended name: Forkhead box protein C1 Alternative name(s): Forkhead-related protein FKHL7 Forkhead-related transcription factor 3 Short name= FREAC-3
<b>Expression Region</b>	1-553
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene belongs to the forkhead family of transcription factors which is characterized by a distinct DNA-binding forkhead domain. The specific function of this gene has not yet been determined; however, it has been shown to play a role in the regulation of embryonic and ocular development. Mutations in this



gene cause various glaucoma phenotypes including primary congenital glaucoma, autosomal dominant iridogoniodysgenesis anomaly, and Axenfeld-Rieger anomaly.

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**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.

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