



Recombinant Human Visual system homeobox 1 (VSX1)

Product Code	CSB-EP025938HU-B
Abbreviation	VSX1
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.	Q9NZR4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MTGRDSLSDG RTSSRALVPG GSPRGSRPRG FAITDLLGLE AELPAPAGPG QGSGCEGPAV APCPGPLDG SSLARGALPL GLLLCGFGT QPPAAARAPC LLLADVPLP PRGPEPAAPL APSRPPALG RQKRSDSVST SDEDSQSEDR NDLKASPTLG KRKKRRHRTV FTAHQLEELE KAFSEAHYPD VYAREMLAVK TELPEDRIQV WFQNRRAKWR KREKRWGGSS VMAEYGLYGA MVRHCIPLPD SVLNSAEGGL LGSCAPWLLG MHHKSMGMIR KPGSEDKLAG LWGSDFKEG SSQSESGSQR GSDKVSPENG LEDVAIDLSS SARQETKKVH PGAGAQQGSN STALEGPQPG KVGAT
Source	E.coli
Target Names	VSX1
Protein Names	Recommended name: Visual system homeobox 1 Alternative name(s): Homeodomain protein RINX Retinal inner nuclear layer homeobox protein Transcription factor VSX1
Expression Region	1-365
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein contains a paired-like homeodomain and binds to the core of the locus control region of the red/green visual pigment gene cluster. The encoded protein may regulate expression of the cone opsin genes early in development. Mutations in this gene can cause posterior polymorphous corneal dystrophy and keratoconus. Alternatively spliced transcript variants encoding different isoforms have been described.
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

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.