Recombinant Human VSX1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VSX1-3188H **Lot. No.** (See product label)

SPECIFICATION

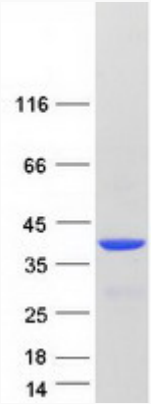
Product Overview	VSX1 MS Standard C13 and N15-labeled recombinant protein (NP_955457) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene contains a paired-like homeodomain and binds to the core of the locus control region 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.
Molecular Mass	24.8 kDa
AA Sequence	MTGRDSLSDGRTSSRALVPGGSPRGSRPRGFAITDLLGLEAELPAPAGPGQGSGC EGPAVAPCPGPGLDGSSLARGALPLGLGLLCGFGTQPPAAARAPCLLLADVPFLPP RGPEPAAPLAPSRPPPALGRQKRSDSVSTSDEDSQSEDRNDLKASPTLGKRKKRR HRTVFTAHQLEELEKAFSEAHYPDVYAREMLAVKTELPEDRIQVSGVPFLRSKDTTE NVSFPHSVSQSAVPSLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	VSX1 visual system homeobox 1 [Homo sapiens (human)]
Official Symbol	VSX1
Synonyms	VSX1; visual system homeobox 1; posterior polymorphous corneal dystrophy, PPCD, visual system homeobox 1 homolog, CHX10 like (zebrafish); PPD; homeodomain protein RINX; transcription factor VSX1; retinal inner nuclear layer homeobox protein; KTCN; PPCD; RINX; KTCN1; CAASDS;
Gene ID	30813
mRNA Refseq	NM_199425
Protein Refseq	NP_955457
MIM	605020
UniProt ID	Q9NZR4

SDS-PAGE	

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