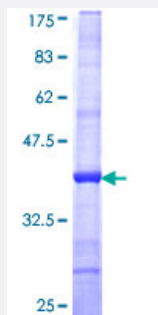


KERA (Human) Recombinant Protein (Q01)

Catalog # H00011081-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KERA partial ORF (NP_008966, 253 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GLPSRGFDVSSILDQLSHNQLTKVPRISAHLQHLHLDHNKIKSVNVSVICPSPSMLPAERDSFSY GPHLRYLRLDGNEIKPPIMALMTCFRLLQAVI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (85); Rat (86)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KERA

Entrez GeneID [11081](#)

GeneBank Accession# [NM_007035](#)

Protein Accession# [NP_008966](#)

Gene Name KERA

Gene Alias CNA2, SLRR2B

Gene Description keratocan

Omim ID [217300 603288](#)

Gene Ontology [Hyperlink](#)

Gene Summary Keratan sulfate proteoglycans (KSPGs) are members of the small leucine-rich proteoglycan (SLRP) family. KSPGs, particularly keratocan, lumican (MIM 600616), and mimecan (MIM 602383), are important to the transparency of the cornea.[supplied by OMIM]

Other Designations cornea plana 2 (autosomal recessive)|keratocan proteoglycan

Publication Reference

- [Resistance of Corneal RFUVA-Cross-Linked Collagens and Small Leucine-Rich Proteoglycans to Degradation by Matrix Metalloproteinases.](#)

Zhang Y, Mao X, Schwend T, Littlechild S, Conrad GW.

Investigative Ophthalmology & Visual Science 2013 Feb; 54(2):1014.

Application: Substrate, Bovin, Enzyme

- [Effects of Ultraviolet-A and Riboflavin on the Interaction of Collagen and Proteoglycans during Corneal Cross-linking.](#)

Zhang Y, Conrad AH, Conrad GW.

The Journal of Biological Chemistry 2011 Apr; 286(15):13011.

Application: PI, WB-Re, Recombinant protein