

Recombinant Human KRT7 Protein, GST-tagged

Cat. No. KRT7-4843H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KRT7 full-length ORF (AAH02700.1, 1 a.a. - 469 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq]
Molecular Mass	77.8 kDa
AA Sequence	MSIHFSPPVFTSRSAAFSGRGAQVRLSSARPGGLGSSSLYGLGASRPRVAVRSAYG GPVGAGIREVTINQSLAPLRLDADPSLQVRVQEESQIKTLNNKFASFIDKVRFLEQ QNKLLTKWTLLEQKSAKSSRLPDIFEAQIAGLRGQLEALQVDGGRLEAELRSMQ DVVEDFKNKYEDEINRRTAAENEFVVLKKDVDAAYMSKVELEAKVDALNDEINFLRT LNETELTELQSQISDTSVVLMDNSRSLDLGIIAEVKAQYEEMAKCSRAEAEAWYQ TKFETLQAQAGKHGDDLNRNTRNEISEMNRAIQRLQAEIDNIKNQRAKLEAAIAEAEER

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GELALKDARAKQEELEAALQRAKQDMARQLREYQELMSVKLALDIEIATYRKLLGE
ESRLAGDGVGAVNISVMNSTGGSSSGGGIGLTLGGTMGSNALSFSSSAGPGLLKAY
SIRTASASRRSARD

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

KRT7 keratin 7 [Homo sapiens]

Official Symbol

KRT7

Synonyms

KRT7; keratin 7; keratin, type II cytoskeletal 7; CK7; cytokeratin 7; K2C7; K7; keratin; 55K type II cytoskeletal; type II cytoskeletal 7; sarcolectin; SCL; CK-7; keratin-7; cytokeratin-7; type-II keratin Kb7; type II mesothelial keratin K7; keratin, 55K type II cytoskeletal; keratin, simple epithelial type I, K7; MGC3625; MGC129731;

Gene ID

3855

mRNA Refseq

NM_005556

Protein Refseq

NP_005547

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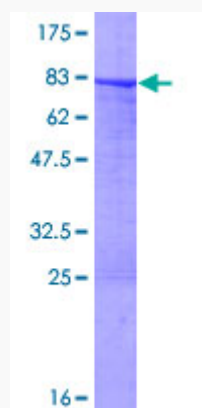
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MIM 148059

UniProt ID P08729

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue

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