

Recombinant Human KRT2 Protein (Cys7-Leu160), His tagged

Cat. No. KRT2-2413H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KRT2 (Cys7-Leu160) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys7-Leu160
Description	The mRNA and protein expression of KRT2 was highly expressed in brown skin in comparison with that in white skin. After transfection with KRT2 in alpaca melanocytes, the relative mRNA and protein expression of KRT2, microphthalmia-associated transcription factor (MITF), tyrosinase (TYR) and tyrosinase-related protein 1 (TYRP1) in alpaca skin melanocytes was increased with significant differences; a further result was the increase of melanin production. KRT2 functions in alpaca hair color formation, which offered an essential theoretical basis for further exploration of the role of melanogenesis.
Molecular Mass	15.42 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8

 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

	centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	KRT2 keratin 2 [Homo sapiens (human)]
Official Symbol	KRT2
Synonyms	KRT2; keratin 2; keratin 2A (epidermal ichthyosis bullosa of Siemens), KRT2A; keratin, type II cytoskeletal 2 epidermal; epidermal ichthyosis bullosa of Siemens; KRTE; keratin-2e; cytokeratin-2e; keratin-2 epidermis; type-II keratin Kb2; epithelial keratin-2e; K2e; CK-2e; KRT2A; KRT2E; MGC116967; MGC116968;
Gene ID	3849
mRNA Refseq	NM_000423
Protein Refseq	NP_000414
MIM	600194
UniProt ID	P35908

 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