

Recombinant Human KRT78 Protein, GST-tagged

Cat. No. KRT78-4837H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human KRT78 full-length ORF (AAI41555.1, 1 a.a. - 520 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the type II keratin gene family and encodes a protein with an intermediate filament domain. Keratins are the major structural proteins in epithelial cells, forming a cytoplasmic network of 10 to 12 nm wide intermediate filaments and creating a scaffold that gives cells the ability to withstand mechanical and non-mechanical stresses. The genes of the type II keratin family are located as a gene cluster at 12p13.13. Four pseudogenes of this gene family have been identified. [provided by RefSeq]
Molecular Mass	83.6 kDa
AA Sequence	MSLSPCRAQRGFSARSACSARSRGRSRGGFSSRGGFSSRSLNSFGGCLEGSRGS TWGSGGRLGVRFGEWSGGPGLSLCPPGGIQEVTINQNLLTPLKIEIDPQFQVVRTQ ETQEIRTLNNQFASFIDKVRFLQEQNKVLETKWHLQGGLSGSQQGLEPVFEACL DQLRKQLEQLQGERGALDAELKACRDQEEYKSKYEEEAHRRATLENDFVVLKQDV DGVFLSKMELEGKLEALREYLYFLKHLNEEELGQLQTQASDTSVVLMSMDNNRYLDF SSIITEVRARYEEIARSSKAEAEALYQTKYQELQVSAQLHGDRMQETKVQISQLHQEI QRLQSQTENLKKQNASLQAAITDAEQRGELALKDAQAKVDELEAALRMAKQNLARL

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LCEYQELTSTKLSLDVEIATYRRLLEGEECRMSGECTSQVTISSVGGSAVMSSGGVG
GGLGSTCGLGSGKGGSPGSCCTSIVTGGSNII LGSGKDPVLDSCSVSGSSAGSSCHTI
LKKTVESSLKTSITY

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	KRT78 keratin 78 [Homo sapiens (human)]
Official Symbol	KRT78
Synonyms	KRT78; keratin 78; K5B; K78; Kb40; CK-78; keratin, type II cytoskeletal 78; cytokeratin-78; keratin 78, type II; keratin-5b; type-II keratin Kb40
Gene ID	196374
mRNA Refseq	NM_001300814
Protein Refseq	NP_001287743
MIM	611159

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UniProt ID

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