

Recombinant Human Keratin, type I cytoskeletal 14(KRT14)

Catalog No: #AP70482

Package Size: #AP70482-1 20ug #AP70482-2 100ug #AP70482-3 1mg

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Description

Product Name	Recombinant Human Keratin, type I cytoskeletal 14(KRT14)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-472aaSequence Info:Full Length
Other Names	Cytokeratin-14 ;CK-14Keratin-14 ;K14
Accession No.	P02533
Calculated MW	67.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MTTC SRQFTSSSSMKGSCGIGGGIGGGSSRISSVLAGGSCRAPSTYGGGLSVSSSRFSSGGACGLGGGYGG GFSSSSSFGSGFGGGYGGGLGAGLGGGFAGGDGLLVGSEKVTMQNLNDRLASYLDKVRALEEANA DLEV KIRDWYQRQRP AEIKDYSPYFKTIEDLRNKILTATVDNANVLLQIDNARLAADDFRTKYETELNLRMSVEA DINGLRRVLDELTLARADLEMQIESLKEELAYLKKNHHEEMNALRGQVGGDVNVEMDAAPGVDSLRLNEMRD QYEKMAEKNRKDAEEWFFTKTEELNREVATNSELVQSGKSEISELRRMQNLEIELQSQLSMKASLENSLEET KGRYCMQLAQIQEMIGSVEEQLAQLRCEMEQQNQEQYKILLDVKTRLEQEIATYRRLLEGEDAHLSSSQFSSGS QSSRDVTSSSRQIRTKVMDVHDGKVVSTHEQVLRTKN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

The nonhelical tail domain is involved in promoting KRT5-KRT14 filaments to self-organize into large bundles and enhances the mechanical properties involved in resilience of keratin intermediate filaments in vitro.

References

Remarkable conservation of structure among intermediate filament genes.Marchuk D., McCrohon S., Fuchs E.Cell 39:491-498(1984)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.