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Product datasheet for TP321721

SPRR2E (NM_001024209) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human small proline-rich protein 2E (SPRR2E), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221721 representing NM_001024209 Red=Cloning site Green=Tags(s) MSYQQQQCKQPCQPPPVCPTPKCPEPCPPPKCPEPCPPPKCPQPCPPQQCQQKCPPVTPSPPCQPKCPPK SK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	7.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001019380
Locus ID:	6704
UniProt ID:	P22531
RefSeq Size:	762
Cytogenetics:	1q21.3

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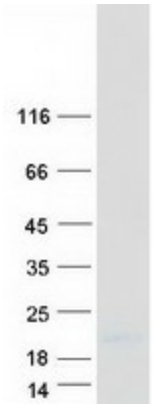
RefSeq ORF: 216

Summary: This gene encodes a member of a family of small proline-rich proteins clustered in the epidermal differentiation complex on chromosome 1q21. The encoded protein, along with other family members, is a component of the cornified cell envelope that forms beneath the plasma membrane in terminally differentiated stratified squamous epithelia. This envelope serves as a barrier against extracellular and environmental factors. The seven SPRR2 genes (A-G) appear to have been homogenized by gene conversion compared to others in the cluster that exhibit greater differences in protein structure. [provided by RefSeq, Feb 2014]

Product images:



Coomassie blue staining of purified SPRR2E protein (Cat# TP321721). The protein was produced from HEK293T cells transfected with SPRR2E cDNA clone (Cat# [RC221721]) using MegaTran 2.0 (Cat# [TT210002]).