

Certificate of Analysis

1. Product Information

Description	KeyTec® RIPK3, N-GST M1-S316		
CAT.	P1HI0228S/P1HI0228L	Size	10 µg/100 µg
LOT.	ABW01SA	Storage at	-80 °C
Validity Period	Up to 1 year from date of receipt, when stored and handled as recommended. And avoid repeated freeze-thaw cycles.		

2. Product Description

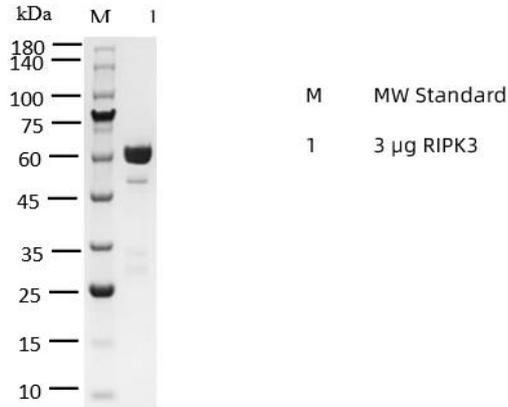
KeyTec® RIPK3, N-GST M1-S316 recombinant protein with N-terminal GST tag was purified by GST affinity chromatography. The RIPK3 recombinant protein showed high activity in ADP-Glo assay.

3. Physical Characteristics

AA Sequences	Uniprot: Q9Y572-1, M1-S316
Tag	N-terminal GST tag
Molecular Weight	60.7 kDa
Species	Human
Expression Host	<i>Sf9</i>
Protein Concentration	0.58 mg/mL by OD280
Purity	> 90% by SDS-PAGE
Form	Liquid
Formulation	50 mM Tris, 150 mM NaCl, 1 mM DTT, 10% Glycerol, 0.05% Brij35, pH7.5

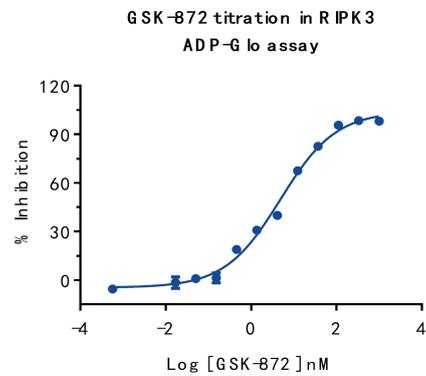
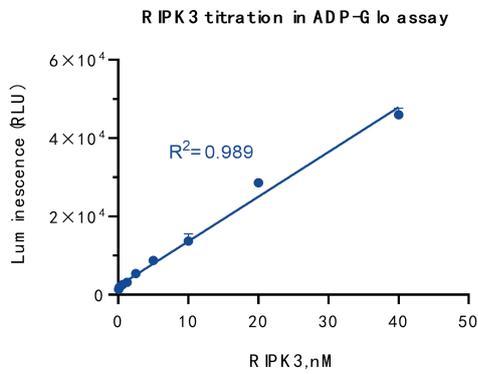
4. Quality Control

A: SDS-PAGE



B: RIPK3 titration

The RIPK3 activity was detected using ADP-Glo technology. The reaction was performed by incubating the RIPK3 protein, ATP and substrate at 25 °C for 120 min, then reading RLU by Microplate Reader with Luminescence.



5. Primary Sequence

Primary Sequence for RIPK3							
Green: GST; Black: RIPK3							
1	MSPILGYWKI	KGLVQPTRLL	LEYLEEKYEE	HLYERDEGDK	WRNKKFELGL	EFPNLPYYID	60
61	GDVKLTQSMA	IIRYIADKHN	MLGGCPKERA	EISMLEGAVL	DIRYGVSRIA	YSKDFETLKV	120
121	DFLSKLPEML	KMFEDRLCHK	TYLNGDHVTH	PDFMLYDALD	VVLYMDPMCL	DAFPKLVCFK	180
181	KRIEAIPQID	KYLKSSKYIA	WPLQGQATF	GGGDHPPKSD	GSMSCVKLWP	SGAPAPLVSI	240
241	EELNQELVG	KGGFGTVFRA	QHRKWGYDVA	VKIVNSKAIS	REVKAMASLD	NEFVLRLEGV	300
301	IEKVNWDQDP	KPALVTKFME	NGSLSGLLQS	QCPRPWPLLC	RLLKEVVLGM	FYLHDQNPVL	360
361	LHRDLKPSNV	LLDPELHVKL	ADFGSLTFQG	GSQSGTGSGE	PGGTLGYLAP	ELFVNVRKA	420
421	STASDVYSFG	ILMWAVLAGR	EVELPTEPSL	VYEAVCNRQN	RPSLAELPQA	GPETPGLEGL	480
481	KELMQLCWSS	EPKDRPSFQE	CLPKTDEVFQ	MVENNMNAAV	STVKDFLSQL	RSSNR RFS	540