

# Product Datasheet

## Recombinant Human Sirtuin 3/SIRT3 Protein H00023410-P01-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00023410-P01-2ug****Recombinant Human Sirtuin 3/SIRT3 Protein**

<b>Product Information</b>	
<b>Unit Size</b>	2 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
<b>Target Molecular Weight</b>	69.63 kDa

<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-399 of Human SIRT3 full-length ORF</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MAFWGWRAAAALRLWGRVVERVEAGGGVGPFGACGCRLVLGGRDDVSAGL  RSGHGARGEPLDPVRPLQRPPRPEVPRAFRRQPRAAAPSFFFSSIKGGRRSIS  FSVGASSVVGSGGSSDKGKLSLQDVAELIRARACQRVVVMVGAGISTPSGIPD  FRSPGSGLYSNLQQYDLPYPEAIFELPFFFHNPKEPFTLAKELYPGNYKPNVTH  YFLRLLHDKGLLLRLYTQNIIDGLERVSGIPASKLVEAHGTFASATCTVCQRPFP  GEDIRADVMADRVPRCPVCTGVVKPDIVFFGEPLPQRFLLHVVDFFPMADLLLIL  GTSLEVEPFASLTEAVRSSVPRLLINRDLVGPLAWHPRSRDVAQLGDVVHGVE  SLVELLGWTEEMRDLVQRETGKLDGPK</p>
<b>Gene ID</b>	23410
<b>Gene Symbol</b>	SIRT3
<b>Species</b>	Human
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, Protein Array, Immunoaffinity Purification

**Publications**

Pacella-Ince L, Zander-Fox DL, Lane M. Mitochondrial SIRT3 and its target glutamate dehydrogenase are altered in follicular cells of women with reduced ovarian reserve or advanced maternal age. Hum Reprod. 2014-04-25 [PMID: 24771001]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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