

# Product Datasheet

## Recombinant Human Caldesmon/CALD1 GST (N-Term) Protein H00000800-P01-10ug

Unit Size: 10 ug

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

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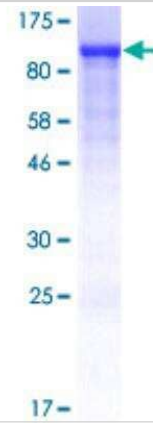
**H00000800-P01-10ug****Recombinant Human Caldesmon/CALD1 GST (N-Term) Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 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>Preservative</b>	No Preservative
<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>	89.1 kDa
<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-538 of Human CALD1</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MDDFERRRELRRQKREEMRLEAERIAAYQRNDDDEEEAARERRRRRARQERLR  QKQEEESLGQVTDQVEVNAQNSVPDEEAKTTTTNTQVEGDDEAAFLERLARR  EERRQKRLQEALERQKEFDPTITDASLSLPSRRMQNDTAENETTEKEEKSES  QERYEIEETETVTKSYQKNDWRDAEENKKEDKEKEEEEEEEKPKRGSIGENQIK  DEKIKKDKEPKKEEVKSFMDRKKGFTEVKSQNGEFMTHKLKHTENTFSRPGGRA  SVDTKAEAGAPQVEAGKRLEELRRRRGETESEEFELKQKQQAALAELEELKK  KREERRKVLEEEEQRRKQEEADRKLREEEEKRRLKEEIERRRRAEAAEKROKM  PEDGLSDDKKPFKCFTPKGSSLKIEERAFLNKSQSSGVKSTHQAIVSKID  SRLEQYTSIAIEGKSAKPTKPAASDLPVPAEGVRNIKSMWEKGNVFSSPTAAG  TPNKETAGLKVGVSRRINEWLTKTPDGNKSPAPKPSDLRPGDVSSKRNLWEK  QSVDKVTSPTKV</p>
<b>Gene ID</b>	800
<b>Gene Symbol</b>	CALD1
<b>Species</b>	Human
<b>Preparation Method</b>	in vitro wheat germ expression system
<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



## Images

SDS-Page: Recombinant Human Caldesmon/CALD1 Protein [H00000800-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Xu L, Lee J, Hao S et al. Improved detection of prostate cancer using a magneto-nanosensor assay for serum circulating autoantibodies. PLoS One. 2019-08-12 [PMID: 31404106]



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### **Products Related to H00000800-P01-10ug**

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NBP1-85702PEP	Caldesmon/CALD1 Recombinant Protein Antigen
MAB4470	Myosin Heavy Chain Antibody (MF20) [Unconjugated]
NBP2-44421-0.1mg	Caldesmon/CALD1 Antibody (h-CALD)
NBP2-22203	ERK1 Antibody (1E5) - BSA Free

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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