

# Product Datasheet

## Recombinant Human GATA-3 GST (N-Term) Protein H00002625-P02-2ug

Unit Size: 2 ug

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

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**H00002625-P02-2ug****Recombinant Human GATA-3 GST (N-Term) Protein**

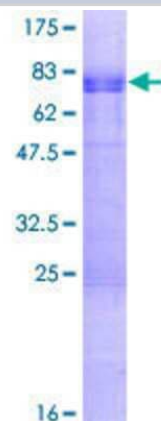
<b>Product Information</b>	
<b>Unit Size</b>	2 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
<b>Target Molecular Weight</b>	74.4 kDa

<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-444 of Human GATA3</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MEVTADQPRWVSHHHPAVLNGQHPDTHHPGLSHSYMDAAQYPLPEEVDVLF  NIDGQGNHVPPYYGNSVRATVQRYPPTHHGSQVCRPPLLHGSLPWLDGGKAL  GSHHTASPWNLSPFKTSIHHGSPGPLSVYPPASSSSLSGGHASPFLFTFPPT  PPKDVSPDPSLSTPGSAGSARQDEKECLKYQVPLPDSMKLESSHSRGSMTAL  GGASSSTHHPITTYPPYVPEYSSGLFPPSSLLGGSPGFGCKSRPKARSSTEG  RECVNCGATSTPLWRRDGTGHYLCNACGLYHKMNGQNRPLIKPKRRLSAARR  AGTSCANCQTTTTTLWRRNANGDPVCNACGLYYKLHNINRPLTMKKEGIQTRN  RKMSKSKKCKKVHDSLEDFPKNSSFNPAALSRHMSSLSHISPFSSHMLTT  PTPMHPPSSLSFGPHHPSSMVTAMG</p>
<b>Gene ID</b>	2625
<b>Gene Symbol</b>	GATA3
<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, SDS-Page, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, SDS-Page, Protein Array, Immunoaffinity Purification

## Images

SDS-Page: Recombinant Human GATA-3 Protein [H00002625-P02] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Kuwahara M, Yamashita M, Shinoda K et al. The transcription factor Sox4 is a downstream target of signaling by the cytokine TGF- $\beta$  and suppresses T(H)2 differentiation. *Nat Immunol.* 2012-07-01 [PMID: 22751141]

Economou A, Datta P, Georgiadis V et al. Gata3 directly regulates early inner ear expression of Fgf10. *Dev Biol.* 2012-12-03 [PMID: 23220102]

Hosokawa H, Tanaka T, Suzuki Y et al. Functionally distinct Gata3/Chd4 complexes coordinately establish T helper 2 (Th2) cell identity. *Proc Natl Acad Sci U S A.* 2013-03-07 [PMID: 23471993]

Hosokawa H, Tanaka T, Kato M et al. Gata3/Ruvbl2 complex regulates T helper 2 cell proliferation via repression of Cdkn2c expression. *Proc Natl Acad Sci U S A.* 2013-10-28 [PMID: 24167278]



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### **Products Related to H00002625-P02-2ug**

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H00002625-Q02-10ug	Recombinant Human GATA-3 GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
AF2605	GATA-3 Antibody [Unconjugated]
M6000B-1	IL-6 [HRP]

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### **Limitations**

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