

Product Datasheet

Recombinant Human BMAL1 GST (N-Term) Protein H00000406-P01-10ug

Unit Size: 10 ug

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

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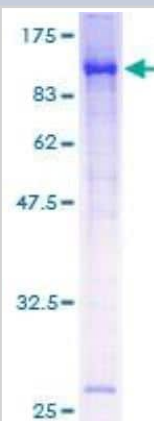


H00000406-P01-10ug**Recombinant Human BMAL1 GST (N-Term) Protein**

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	94.49 kDa
Product Description	
Description	<p>Recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-625 of Human ARNTL</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: MADQRMDISSTISDFMSPGPTDLLSSSLGTSGVDCNRKRKGSSTDYQESMDT DKDDPHGRLEYTEHQGRIKNAREAHSQIEKRRRDKMNSFIDELASLVPTCNAM SRKLDKLTVLRMAVQHMKTLRGATNPYTEANYKPTFLSDDELKHLILRAADGFL FVVGCDRGKILFVSESVFKILNYSQNDLIGQSLFDYLHPKDIKVKEQLSSSDTA PRERLIDAKTGLPVKTDITPGPSRLCSGARRSFFCRMKCNRPVSVKVEDKDFPST CSKKKDRKSFCTIHSTGYLKSWPPTKMGLDEDNEPDNEGNCNLSCLVAIGRLHS HVVPQPVNGEIRVKSMEYVSRHAIDGKVFVVDQRATAILAYLPQELLGTSCYEY FHQDDIGHLAECHRQVLQTREKITTNCYKFKIKDGSFITLSRWFSFMNPWTKE VEYIVSTNTVLANVLEGGDPTFPQLTASPHSMDSMLPSGEGGPKRTHPTVPG IPGGTRAGAGKIGRMIAEEIMEIHRIRGSSPSSCGSSPLNITSTPPPDASSPGGK KILNGGTPDIPSSGLLSGQAQENPGYPYSDSSSILGENPHIGIDMIDNDQGSSSP SNDEAAMAVIMSLLEADAGLGGPVDFSDLPWPL</p>
Gene ID	406
Gene Symbol	BMAL1
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	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.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification

Images

SDS-Page: Recombinant Human BMAL1 Protein [H00000406-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Voss J, Crösemann M, Bartling C et al. Structure-affinity and structure-residence time relationships of macrocyclic G_q protein inhibitors *iScience* 2023-03-01 [PMID: 37091255]

Qu Y, He Y, Wang Y et al. Targeted down-regulation of SRSF1 exerts anti-cancer activity in OSCC through impairing lysosomal function and autophagy *iScience* 2023-10-01 [PMID: 38025785]

Casagrande S, Dzialo M, Trost L et al. Mitochondrial metabolism in blood more reliably predicts whole-animal energy needs compared to other tissues *iScience* 2023-10-01 [PMID: 38025793]

Barone I, Gilette NM, Hawks-Mayer H et al. Synaptic BMAL1 phosphorylation controls circadian hippocampal plasticity *Science advances* 2023-10-27 [PMID: 37878694] (KA)

Details:

In Vitro Kinase Assay

Chen V, Chang J, Zhang J et al. CD36 Restricts Lipid-Associated Macrophages Accumulation in White Adipose Tissues During Atherogenesis *Cell Reports* 2023-09-05

Xue H, Xu X, Yan Z et al. Genome-wide association study of hippocampal BOLD-CBF correlation in Chinese Han population *iScience* 2023-09-01 [PMID: 37822511]

Petkau N, Budak H, Zhou X et al. Acetylation of BMAL1 by TIP60 controls BRD4-P-TEFb recruitment to circadian promoters. *Elife*. 2019-07-11 [PMID: 31294688]

Bing L, Di L, Haibo N et al. The circadian clock regulator Bmal1 affects traumatic brain injury in rats through the p38 MAPK signalling pathway. *Brain Res Bull*. 2021-11-11 [PMID: 34774994]

Chen Y, Cui T, Xiao S et al. Hepatic ZBTB22-mediated Detoxification Ameliorates Acetaminophen-induced Liver Injury by Inhibiting Pregnane X Receptor Signaling *iScience* 2023-03-01 [PMID: 36950116]

Fehr T, Janssen W, Park J et al. Neonatal exposures to sevoflurane in rhesus monkeys alter synaptic ultrastructure in later life *iScience* 2022-11-01 [PMID: 36567715]

Luse D, Parida M, Spector B et al. A Unified View of the Sequence and Functional Organization of the Human RNA Polymerase II Promoter *Nucleic Acids Res* 2020-06-30 [PMID: 32597978]

Dawson C, Irwin S, Backman L et al. Molecular Basis of C-S Bond Cleavage in the Glycyl Radical Enzyme Isethionate Sulfite-Lyase *Cell Chem Biol* 2021-03-27 [PMID: 33773110]

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NB100-2288	BMAL1 Antibody - BSA Free
NB100-125	PER2 Antibody - BSA Free

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