

Product Datasheet

Recombinant Human HIF-1 alpha GST (N-Term) Protein H00003091-P01-10ug

Unit Size: 10 ug

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

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H00003091-P01-10ug**Recombinant Human HIF-1 alpha 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	109.1 kDa

Product Description	
Description	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-735 of Human HIF1A</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: MEGAGGANDKKKISSERRKEKSRDAARSRRSKESEVFYELAHQLPLPHNVSS HLDKASVMRLTISYLRVRKLLDAGDLIEDDMKAQMNC FYLKALDGFVMVLTDD GDMIIYISDNVNKYMGLTQFELTGHSVDFDFTHPCDHEEMREMLTHRNGLVKKGK EQNTQRSFFLRMKCTLTSRGR TMNIKSATWKVLHCTGHIHVYDTNSNQPCG YKKPPMTCLVLICEPIPHPSNIEIPLDSKTFLSRHSLDMKFSYCDERITELMGYEP EELLGRSIYEYYHALDSDHLTKTHHDMFTKGQVTTGQYRMLAKRGGYVWVET QATVIYNTKNSQPQCIVCVNYVVS GIIQHDLIFSLQQTECVLKPVESSDMKMTQL FTKVESED TSSLFDKLLKEPDALTLLAPAAGDTIISLDFGSNDTETDDQQLEEV LYNDVMLPSPNEKLNINLAMSP LPTAETPKPLRSSADPALNQEVALKLEPNPE SLELSFTMPQIQDQTPSPSDGSTRQSSPEPNPSEYCFYVSDMVNEFKLELV EKLFAEDTEAKNPFSTQD TDLLEMLAPYIPMDDDFQLRSFDQLSPLESSSASP ESASPQSTVTVFQQTQIQEPTANATTTTATTTDELKTVTKDRMEDIKILIASPSPTH IHKETTSATSSPYRDTQSRTASPNRAGKGVIEQTEKSHPRSPNVLSVALSQRTT VPEEELNPKILALQNAQRKRKMEHDGSLFQAVGII</p>
Gene ID	3091
Gene Symbol	HIF1A
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 HIF-1 alpha Protein [H00003091-P01]
- 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Dey A, Prabhudesai S, Zhang Y et al. Cystathione γ -synthase regulates HIF-1 α stability through persulfidation of PHD2 *Science Advances* 2020-07-03 [PMID: 32937467]

Daolu Z, Mingxia L, Jian C et al. Hypoxia-inducible factor-1 α regulates PI3K/AKT signaling through microRNA-32-5p/PTEN and affects nucleus pulposus cell proliferation and apoptosis. *Mediators Inflamm.* 2021-04-21 [PMID: 33968177]

Watanabe Y, Murdoch CE, Sano S et al. Glutathione adducts induced by ischemia and deletion of glutaredoxin-1 stabilize HIF-1 α and improve limb revascularization. *Proc Natl Acad Sci U S A* 2016-05-24 [PMID: 27162359]

Dickson EL, Vogel R, Leung S et al. FBxW7 as a predictor of outcomes in ovarian cancer. *Journal of the American College of Surgeons* 2013-01-01 [PMID: 25526310]

Yang N, Li H, Yin T et al. A new method to assay hypoxia-inducible factor-1 based on small molecule binding DNA. *Anal Chim Acta.* 2014-05-29 [PMID: 25064240]

Vadivel A, Alphonse RS, Etches N et al. Hypoxia-inducible factors promote alveolar development and regeneration. *Am J Respir Cell Mol Biol.* 2014-01-01 [PMID: 23962064] (Rat)



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Products Related to H00003091-P01-10ug

NBC1-18422	Recombinant Human HIF-1 alpha Protein
NB100-105	HIF-1 alpha Antibody (H1alpha67)
NB100-479	HIF-1 alpha Antibody - BSA Free
NB100-122	HIF-2 alpha/EPAS1 Antibody - BSA Free

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