

# Product Datasheet

## Recombinant Human Wnt-7b GST (N-Term) Protein H00007477-P01-2ug

Unit Size: 2 ug

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

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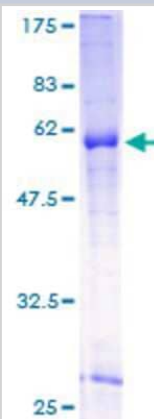


**H00007477-P01-2ug****Recombinant Human Wnt-7b GST (N-Term) Protein**

<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>	60.72 kDa
<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 32-349 of Human WNT7B</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>            LGANIICNKIPGLAPRQRAICQSRPDIIIVIGEGAQMGINECQYQFRFGRWNC            SA            LGEKTVFGQELRVGSREAAFTYAITAAGVAHAVTAACSQGNLSNCGCDREKQ            GYYNQAEGWKWGGCSADVRYGIDFSRRFVDAREIKKNARRLMNLHNNEAGK            KVLEDRMQLECKCHGVSGSCTTKTCWTTLPKFREVGHLLEEKYNAAVQVEVV            RASRLRQPTFLRIKQLRSYQKPMETDLVYIEKSPNYCEEDAATGSVGTQGRLC            NRTSPGADGCDTMCCGRGYNTHQYTKVWQCNCCKFWCCFVKCNTCSERTE            VFTCK</p>
<b>Gene ID</b>	7477
<b>Gene Symbol</b>	WNT7B
<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, In vitro assay, Protein Array, SDS-Page, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, In vitro assay, SDS-Page, Protein Array, Immunoaffinity Purification
<b>Application Notes</b>	In vitro assay was reported in scientific literature.

## Images

SDS-Page: Recombinant Human Wnt-7b Protein [H00007477-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

S Pérez-Garc, M Carrión, R Villanueva, T Hermida-Gó, M Fernández-, M Mellado, FJ Blanco, Y Juarranz, RP Gomariz Wnt and RUNX2 mediate cartilage breakdown by osteoarthritis synovial fibroblast-derived ADAMTS-7 and -12 J. Cell. Mol. Med., 2019-03-22;0(0):. 2019-03-22 [PMID: 30903650]

Lv H, Yang J, Wang C et al. The WNT7B protein promotes the migration and differentiation of human dental pulp cells partly through WNT/beta-catenin and c-Jun N-terminal kinase signalling pathways. Arch Oral Biol 2017-12-15 [PMID: 29268145]

Sugimura R, He XC, Venkatraman A et al. Noncanonical Wnt Signaling Maintains Hematopoietic Stem Cells in the Niche Cell 2012-07-20 [PMID: 22817897] (In vitro)



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