Recombinant Xenopus Laevis WNT8 Protein (23-358 aa), His-B2M-tagged

Cat. No. WNT8-2459X **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Xenopus Laevis (African clawed frog) WNT8 Protein (23-358 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-B2M tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Xenopus Laevis
Source	E.coli
ProteinLength	23-358 aa
Description	Ligand for mbers of the frizzled family of seven transmbrane receptors. Plays a role in ventral mesodermal patterning during bryogenesis. Mimics Nieuwkoop center activity. Causes dorsal mesodermal differentiation of animal cap ectoderm when coexpressed with noggin and nuclear, sequence-specific DNA-binding protein xBra. None of these molecules causes dorsal mesoderm formation when expressed alone.
Form	Tris-based buffer,50% glycerol
Molecular Mass	51.7 kDa
AA Sequence	AWSVNNFLMTGPKAYLTYSASVAVGAQNGIEECKYQFAWERWNCPESTLQLATHN GLRSATRETSFVHAISSAGVMYTLTRNCSMGDFDNCGCDDSRNGRIGGRGWVWG GCSDNAEFGERISKLFVDGLETGQDARALMNLHNNEAGRLAVKETMKRTCKCHGIS GSCSIQTCWLQLAEFRDIGNHLKIKHDQALKLEMDKRKMRSGNSADNRGAIADAFSS

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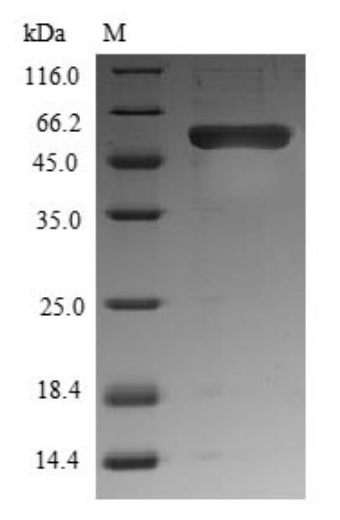
	VAGSELIFLEDSPDYCLKNISLGLQGTEGRECLQSGKNLSQWERRSCKRLCTDCGL RVEEKKTEIISSCNCKFHWCCTVKCEQCKQVVIKHFCARRERDSNMLNTKRKNRGH RR
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	wnt8a.L Wnt family member 8A L homeolog [Xenopus laevis (African clawed frog)]
Official Symbol	WNT8
Synonyms	wnt8; wnt8; Xwnt8; wnt-8; wnt8a; xwnt-8;
Gene ID	397970
mRNA Refseq	NM_001088168
Protein Refseq	NP_001081637

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UniProt ID	P28026



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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