



# Recombinant Mouse Protein Wnt-5a (Wnt5a)

<b>Product Code</b>	CSB-EP026138MO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P22725
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	IIGAQPLCS QLAGLSQGQK KLCHLYQDHM QYIGEGAKTG IKECQYQFRH RRWNCSTVDN TSVFGRVMQI GSRETAFTYA VSAAGVNNAM SRACREGELS TCGCSRAARP KDLPRDWLWG GCGDNIDYGY RFAKEFVDAR ERERIHAKGS YESARILMNL HNNEAGRRTV YNLADVACKC HGVSGSCSLK TCWLQLADFR KVGDALKEY DSAAAMRLNS RGKLVQVNSR FNSPTTQDLV YIDPSPDYCV RNESTGSLGT QGRLCNKTSE GMDGCELMCC GRGYDQFKTV QTERCHCKFH WCCYVKCKKC TEIVDQFVCK
<b>Source</b>	E.coli
<b>Target Names</b>	Wnt5a
<b>Protein Names</b>	Recommended name: Protein Wnt-5a
<b>Expression Region</b>	62-380
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 98%, 98% and 87% amino acid identity to the mouse, rat and the xenopus Wnt5A protein, respectively. The experiments performed in Xenopus laevis embryos identified that human frizzled-5 (hFz5) is the receptor for the Wnt5A ligand and the Wnt5A/hFz5 signaling mediates axis induction.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.