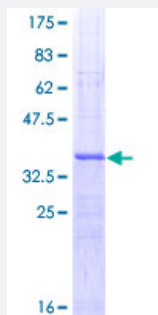


WNT5A (Human) Recombinant Protein (Q01)

Catalog # H00007474-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human WNT5A partial ORF (AAH64694, 201 a.a. - 300 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ERERIHAKGSYESARILMNLHNNEAGRRTVYNLADVACKCHGVSGSCSLKTCWLQLADFRKVGDALKEYDSAAAMRLNSRGKLVQVNSRFNSPTTQDLV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (100)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — WNT5A

Entrez GeneID [7474](#)

GeneBank Accession# [BC064694](#)

Protein Accession# [AAH64694](#)

Gene Name WNT5A

Gene Alias hWNT5A

Gene Description wingless-type MMTV integration site family, member 5A

Omim ID [164975](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations WNT-5A protein

Pathway

- [Basal cell carcinoma](#)
- [Hedgehog signaling pathway](#)

- [Melanogenesis](#)
- [Pathways in cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)