

Product datasheet for TP505939

Wnt5a (NM_009524) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse wingless-type MMTV integration site family, member 5A (Wnt5a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	<p>>MR205939 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MKKPIGILSPGVALGTAGGAMSSKFFLMALATFFSFAQVVEANSWWSLGMNPNVQMSEVYIIGAQPLCS QLAGLSQGQKKLCHLYQDHMQYIGEGAKTGIKECQYQFRHRRWNCSTVDNTSVFGRVMQIGSRETAFTY A VSAAGVWNAMSRACREGELSTCGCSRAARPKDLPRDWLWGGCGDNIDYGYRFAKEFVDARERERIHAKGS YESARILMNLHNNEAGRRTVYNLADVACKCHGVSGCSLKCWLQLADFRKVGDALKEKYDSAAAMRLN S RGKLVQVNSRFNSPTTQDLVYIDPSPDYCVRNESLGTQGRLCNKTSEGMDGCELMCCGRGYDQFKT V QTERCHCKFWCCYVKCKKCTEIVDQFVCK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	42.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.


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RefSeq: NP_033550

Locus ID: 22418

UniProt ID: P22725

RefSeq Size: 4354

Cytogenetics: 14 16.8 cM

RefSeq ORF: 1140

Synonyms: 8030457G12Rik; Wnt-5a

Summary: Ligand for members of the frizzled family of seven transmembrane receptors (PubMed:17117926). Can activate or inhibit canonical Wnt signaling, depending on receptor context (PubMed:16602827). In the presence of FZD4, activates beta-catenin signaling. In the presence of ROR2, inhibits the canonical Wnt pathway by promoting beta-catenin degradation through a GSK3-independent pathway which involves down-regulation of beta-catenin-induced reporter gene expression (PubMed:16602827). Suppression of the canonical pathway allows chondrogenesis to occur and inhibits tumor formation. Stimulates cell migration (PubMed:17117926). Decreases proliferation, migration, invasiveness and clonogenicity of carcinoma cells and may act as a tumor suppressor. Mediates motility of melanoma cells (By similarity). Required during embryogenesis for extension of the primary anterior-posterior axis and for outgrowth of limbs and the genital tubercle (PubMed:10021340). Inhibits type II collagen expression in chondrocytes (By similarity). [UniProtKB/Swiss-Prot Function]