

Product datasheet for **TP507561**

Kremen1 (NM_032396) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse kringle containing transmembrane protein 1 (Kremen1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207561 representing NM_032396 Red =Cloning site Green =Tags(s) MAPPAARLALLSAAALTLAARPAPGPRSGPECFTANGADYRGTQSWTALQGGKPCLFWNETFQHPYNTLK YPNGEGGLGEHNYCRNPDGDVSPWCYVAEHEDGVYWKYCEIPACQMPGNLGCYKDHGNPPPLTGTSKTSN KLTIQTCISFCRSQRKFAGMESGYACFCGNNPDYWKHGEAASTECNSVCFGDHTQPCGGDGRILFDTL VGACGGNYSAMAAVVYSPDFPDYATGRVCYWTRVPGASRIHFNFTLFDIRDSADMVELLDGYTHRVLV RLSGRSRPPLSFNVSLDFVILYFFSDRINQAQGFVLYQATKEEPPQERPAVNQTLAEVITEQANLSVSA AHSSKVLVITPSPSHPPQTAPGSHSWAPSVGANSHRVEGWTVYGLATLLILTVAVVAKILLHVTFKSH RVPASGDLRDCRQPGASGDIWTFIYEPSTTISIFKFKLKGQSQDDRNPLVSD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	52.1 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.
RefSeq:	NP_115772
Locus ID:	84035



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UniProt ID: [Q99N43](#)

RefSeq Size: 4943

Cytogenetics: 11 A1

RefSeq ORF: 1419

Synonyms: AV002070; Kremen; Krm1

Summary: Receptor for Dickkopf proteins. Cooperates with DKK1/2 to inhibit Wnt/beta-catenin signaling by promoting the endocytosis of Wnt receptors LRP5 and LRP6 (PubMed:12050670). In the absence of DKK1, potentiates Wnt-beta-catenin signaling by maintaining LRP5 or LRP6 at the cell membrane (By similarity). Can trigger apoptosis in a Wnt-independent manner and this apoptotic activity is inhibited upon binding of the ligand DKK1 (PubMed:26206087). Plays a role in limb development; attenuates Wnt signaling in the developing limb to allow normal limb patterning and can also negatively regulate bone formation (PubMed:18505822). Modulates cell fate decisions in the developing cochlea with an inhibitory role in hair cell fate specification (PubMed:27550540).[UniProtKB/Swiss-Prot Function]