

Product datasheet for TP519200

Ulk3 (NM_027895) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse unc-51-like kinase 3 (Ulk3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219200 protein sequence Red =Cloning site Green =Tags(s)

MAGPSWGLPRLDGFILTERLGSPTYATVYKAYAKKDTREVVAIKCVAKKSLNKASVENLLTEIEILKGR
HPHIVQLKDFQWDNDNIYLIMEFCAGGDLRSFIHTRRILPEKVARVFMQQLASALQFLHERNISHLDLKP
QNILLSLEKPHLKLADFGFAQHMPWDEKHVLRGSPYMAPEMVCRRQYDARVDLWSVGVILYEALFGQ
PPFASRSFSELEEKIRSNRVIPLRPQLSLDCRDLLQRLERDPARRISFKDFFAHPWVDLEHMPSGES
LAQARALVVEAVKKDQEGDAAAALSLYCKALDFFVPALHYEVDAQRKEAIKAKVGQYVSRAEELKAIVSS
SNQALLRQGTTVQELLREMARKPRLAALVASAALAKEEEAGKEQDALDLYQHSLGELLVLLAAEAPG
RRRELLHTEVQNLMARAEYLKEQIKIRESHWEAESLDKEGLSESVRSSCTLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	53.6 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_082171
Locus ID:	71742



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UniProt ID: [Q3U3Q1](#)

RefSeq Size: 2826

Cytogenetics: 9 B

RefSeq ORF: 1419

Synonyms: 1200015E14Rik

Summary: Serine/threonine protein kinase that acts as a regulator of Sonic hedgehog (SHH) signaling and autophagy. Acts as a negative regulator of SHH signaling in the absence of SHH ligand: interacts with SUFU, thereby inactivating the protein kinase activity and preventing phosphorylation of GLI proteins (GLI1, GLI2 and/or GLI3). Positively regulates SHH signaling in the presence of SHH: dissociates from SUFU, autophosphorylates and mediates phosphorylation of GLI2, activating it and promoting its nuclear translocation. Phosphorylates in vitro GLI2, as well as GLI1 and GLI3, although less efficiently. Also acts as a regulator of autophagy: following cellular senescence, able to induce autophagy (By similarity).
[UniProtKB/Swiss-Prot Function]