

Product datasheet for TP515360

Lrrc32 (NM_001113379) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse leucine rich repeat containing 32 (Lrrc32), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215360 representing NM_001113379 Red=Cloning site Green=Tags(s)

MSHQILLLLAMLTGLAISQRREQVPCRTVNKEALCHGLGLLQVPSVLSLDIQALYLSGNQLQSILVSP
GFYALRHLDSLNDQISFLQAGVFQALPYLEHLNLAHNRLATGMALNSGGLGRPLLVSLDLSGNSLHGN
LVERLLGETPRLRTLSLAENSLTRLARHTFWGMPAVEQLDLHSNVLMDIEDGAFEALPHLTHLNLSRNSL
TCISDFSLQQLQVLDLSCNSIEAFQTAPEPQAQFQLAWLDLRENKLLHFPDLAVFPRLIYLNVSNNLIQL
PAGLPRGSEDLHAPSEGWSASPLSNPSRNASTHPLSLLNLDLSYNEIELVPASFLEHLTSLRFLNLSRN
CLRSFEARQVDSLPCVLLDLSHNVLEALELGTKVLGSLQTLQLQDNALQELPPYTFASLASLQRLNLQG
NQVSPCGGPAEPGPPGCVDFSGIPTLHVLMAGNSMGMLRAGSFLHTPLTELDLSTNPGLDVATGALVGL
EASLEVLELQGNGLTVLRVDLPCFLRLKRLNLAENQLSHLPAWTRAVSLEVLDLNRNNSFLLPGNAMGGL
ETSLRRLYLQGNPLSCCGNGWLAAQLHQGRVDVDATQDLICRFGSQEELSLSLVRPEDCEKGGKKNVNI
LLSFTLVSAIVLTTLATICFLRRQKLSQQYKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	72.9 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_001106850
Locus ID:	434215
UniProt ID:	G3XA59
RefSeq Size:	3817
Cytogenetics:	7 53.86 cM
RefSeq ORF:	1989
Synonyms:	AI426318; D7H11S833E; D11S833Eh; EG434215; Garp
Summary:	Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta activation by maintaining it in a latent state during storage in extracellular space (PubMed:25127859). Associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGF-beta, and regulates integrin-dependent activation of TGF-beta (PubMed:25127859, PubMed:28912269). Able to outcompete LTBP1 for binding to LAP regulatory chain of TGF-beta (By similarity). Controls activation of TGF-beta-1 (TGFB1) on the surface of activated regulatory T-cells (Tregs) (PubMed:25127859). Required for epithelial fusion during palate development by regulating activation of TGF-beta-3 (TGFB3) (PubMed:28912269).[UniProtKB/Swiss-Prot Function]