

Product datasheet for **TP524502**

Sdk2 (NM_172800) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sidekick cell adhesion molecule 2 (Sdk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



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Expression cDNA Clone or AA Sequence: >MR224502 representing NM_172800
 Red=Cloning site Green=Tags(s)

MFSSMWRLPLWTLALHRIHSAGAQQDDVPPYFKTEPVRTQVHLEGNRLVLTCAEGSWPLEFKWLHNN
 RE
 LTRFSLEYRYMITS�DRTHAGFYRCIVRNRMGALLQRQTEVQVAYMGSFEEGEKRQSVNHGEAAVIRAPR
 ISSFPRPQVTWFRDGRKIPPSSRIAITLNTLVILSTVAPDAGRYVQAVNDKNGDNKTSQPITLAVENV
 GGPADPIAPTIIIPKNTSVVAGTSEVTMECVANARPLIKLHIVWKKDGAPLSSGISDYNRRLTIANPTV
 SDAGYYECEAMLRSSSVAPVTRGAYLSVLEPPQFVREPERHITAEMEKKVDIPCRAGVPPPSITWYKDA
 ALVEVGKLTRFKQRSDGGLQISGLLPDDTGMLQCFAHNAAGEAQTSTYLAVTSIAPNITRGPLDSTVIDG
 MSVVLACETSGAPRPAITWQKGERILASGSVQLPRFTLLESGSLLISPTHISDAGTYTCLATNSRGVDEA
 SADLVVWARTRITKPPQDQSVIKGTQASMVCGVTHDPRVTVRYVWEKDGATLAVETNPRIRLDRNGSLHI
 SQTWSGDIGTYTCRVLSAGGNDNRNAHLRVRQLPHAPEHPVATLSTVERRAINLTWAKPFDGNSPLMRY
 V
 LEMSENNAPWTILLASVDPEATSVMVKGVLPARSYQFRLCAVNDVGKGQFSKDTERVSLPEEPPTAPPQN
 VIASGRTNQSIMIQWQPPPEHQNGILKGYIIRYCLAGLPVGYQFKNITDADVNNLLLEDLIWNTNIEIE
 VAAVNSAGLGVYSSKVTEWTLQGVPTVPPGNVHAEATNSTTIRFTWNPASPQFINGINQGYKLIWEPAPQ
 EEEVTMTARPNTFQDSIHVGFVSGLKKFTEYFTSVLCFTTPGDGRSSPQLVRTHEDVPGPVGHLSFNDI
 LDTSLKVSQEPGEKNGILTGYRISWEEYNRTNTRVTHYLPNVTLEYRVTGLTALTITYIEVAAMTSKGQ
 GQVSASTISSGVPELPGAPTNLGISNIGPRSVTLQFRPGYDGKTSISRWWVEAQGVIGEGEELLIIYQ
 LGNEPDARSMVPELDLNPFTYYSFRMRQVNIVGTSPPSQPSRKIQLQAPPDIAPANVTLRTASETSLWLR
 WMPLPEMEYNGNPESVGYKIKYGRSDGHGKTLSTHTVQDRVEREYTIEDLEEWTEYRVQVQAFNAIGSGP
 W
 SQAVVGRTRESVPSSGPTNVSALATTSSSMLVRWSEIPEADRNLVLGYKVRYKEKSDSDSQPRFWLVEGN
 SSRSAQLTGLGKYVLYEVQVLAFTIRIGDGSPSHPPILERTLDDVPGPPMGILFPEVRTTSVRLIWQPPAA
 PNGIILAYQITHRLNATTANTATVEVLAPSARQYMATGLKPESVYLFRITATQTRKGWGEAAEALVVTTEK
 RDRPQPPSKPVVQQEDVKARSVLLSWEPGSDGLSPVRYTIQTRELPSGRWALHSASVSHNASAFVDR
 KPFTSYKFRVKATNDIGDSEFSESESLTTLQAAPDEAPTILSVTPHTTTSVLIRWQPPSEDKINGILLG
 FRIRYRELLYDGLRGFTLRGINNPGAKWAEELTSYLSMRNLTRPSLTQYELDNLSKHRRYEIRMSIYNAV
 EGPLSPPEVFGVGEAVPTAAPQNVAIHSATATQLDVTWEPPPLDNQNGDIQGYKIYFWEVQRRNLTERVK
 TLFLAENSVKLKNTGYTAYMVSAFNAAGDGPRSTPTRGQTQQAAPSAPGSVKFSELTTSVNVSWDA
 PQFPNGPLEGYRLVYEPCTPVDGVSKIVTVDVKGNSPLWLKVKDLAEGMTYRFRIKAKFTTYGPEIANI
 TTGPGEAGAPGPPGVPIIVRYSSAIAIHWSSGDGPGKGPITRYVIEARPSDEGLWDILIKDIPKEVTSYTF
 MDILKPGVSYDFRVIANDYGFGTSSPSQSVPAQKASPFYEEWWFLVIALVGLIFILLVFLIIRGQ
 SKKYSKKTDSGGNTKSGALGHGEMLSLDESSPALELNRRLSVKNSFCRKNGLYTRSPRPSPGSLHYS
 DEDVTKYNDLIPAESSSLTEKPSEISDSQGSSEYEDTNTQKAHSFVNHYISDPTYNSWRRQKQGISR
 AQAYSYTESDSGEPDHVTPNSNSTQQGSLFRPKASRTPTPQNPPNPQSQSQSTLYRPPSSLAPGSRAPIA
 GFSSFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 239.9 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.
RefSeq:	NP_766388
Locus ID:	237979
UniProt ID:	Q6V4S5
RefSeq Size:	6604
Cytogenetics:	11 E2
RefSeq ORF:	6528
Synonyms:	4632412F08Rik; 5330435L01Rik; mKIAA1514; Sdk-2
Summary:	Adhesion molecule that promotes lamina-specific synaptic connections in the retina and is specifically required for the formation of neuronal circuits that detect motion (PubMed:26287463). Acts by promoting formation of synapses between two specific retinal cell types: the retinal ganglion cells W3B-RGCs and the excitatory amacrine cells VG3-ACs. Formation of synapses between these two cells plays a key role in detection of motion (PubMed:26287463). Promotes synaptic connectivity via homophilic interactions (PubMed:26287463).[UniProtKB/Swiss-Prot Function]