

Product datasheet for TP523786

Nlrp10 (NM_175532) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse NLR family, pyrin domain containing 10 (Nlrp10), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR223786 protein sequence Red=Cloning site Green=Tags(s)

MALARANSPQEALLWALNDLEENSFKTLKFHLRDVTQFHLARGELESLSQVDLASKLISMYGAQEAVRW
SRSLLAMNLMELVDYLNQVCLNDYREIYREHVRCLERQDWGVNSSHNKLLMATSSSGRRSPSCSDLE
QELDPVDVETLFAPEAESYSTPPIVVMQGSAGTGKTTLVKKLVQDWSKGKLYPGQFDYVFVSCREVVLL
PKCDLPNLICWCCGDDQAPVTEILRQPGRLLFILDGYDELQSSRAEVLHILMRRREVPCSLITTRPP
ALQSLEPMLGERRHVLVLGFSEERETYFSSCFTDKEQLKNALEFVQNNAVLYKACQVPGICWVVC SWLK
KKMARGQEVSETPSNSTDIFTAYVSTFLPTDGNGDSELTRHKVLKSLCSLAAEGMRHQRLFFEEVLRK
HGLDGPLTAFLNCIDYRAGLGIKKFYSFRHISFQEFFYAMSFLVKEDQSQQGEATHKEVAKLVDPENHE
EVTLSLQFLFDMLKTEGTLGLKFCFRIAPSVRQDLKHFKEQIEAIKYKRSWDLEFSLYDSKIKKLTQG
IQMKDVILNVQHLDEKKSDDKKS SVTSFSSGKVQSPFLGNDKSTRKQKKASNGKSRGAEEPAPGVRNR
RLASREKGHMEMNDKEDGGVEEQEDEEGQTLKKDGEMIDKMNG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	76.4 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_780741
Locus ID:	244202
UniProt ID:	Q8CCN1 , Q6IGS9 , Q3V3Z6
RefSeq Size:	4483
Cytogenetics:	7 E3
RefSeq ORF:	2022
Synonyms:	6430548I20Rik; Nalp10; Napl10; PAN5; Pynod
Summary:	Inhibits autoprocessing of CASP1, CASP1-dependent IL1B secretion, PYCARD aggregation and PYCARD-mediated apoptosis but not apoptosis induced by FAS or BID (By similarity). Displays anti-inflammatory activity (By similarity). Required for immunity against <i>C.albicans</i> infection (PubMed:23071280). Involved in the innate immune response by contributing to proinflammatory cytokine release in response to invasive bacterial infection (By similarity). Contributes to T-cell-mediated inflammatory responses in the skin (PubMed:27221772). Plays a role in protection against periodontitis through its involvement in induction of IL1A via ERK activation in oral epithelial cells infected with periodontal pathogens (By similarity). Exhibits both ATPase and GTPase activities (By similarity).[UniProtKB/Swiss-Prot Function]