

Product datasheet for TP523946

Tnfrsf14 (NM_178931) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator) (Tnfrsf14), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR223946 representing NM_178931 Red =Cloning site Green =Tags(s)
	MEPLPGWGSAPWSQAPTDNTRFLVPCVFLNLLQRISAQPSQRQEFLVGDECCPMCNPGYHVKQVCSE H TGTVCAPCPPQTYTAHANGLSKCLPCGVCDPDMGLLWQECSSWKDTVCRICIPGYFCENQDGSHCSTCL Q HTTCCPPGQRVEKRGTHDQDTCADCLTGTFSLGGTQEELPWTNCSAFQQEVRRGTNSTDTTCCSSQWVY VVSILLPLVIVGAGIAGFLICTRRHLHTSSVAKELEPFQEQQENTIRFPVTEVGFATEEETASN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	30.2 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_849262
Locus ID:	230979

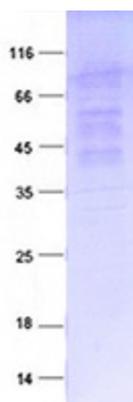


[View online »](#)

UniProt ID:	<u>Q80WM9</u>
RefSeq Size:	893
Cytogenetics:	4 E2
RefSeq ORF:	825
Synonyms:	Atar; HveA; Hvem; Tnfrs14

Summary: Receptor for four distinct ligands: The TNF superfamily members TNFSF14/LIGHT and homotrimeric LTA/lymphotoxin-alpha and the immunoglobulin superfamily members BTLA and CD160, altogether defining a complex stimulatory and inhibitory signaling network (By similarity). Signals via the TRAF2-TRAF3 E3 ligase pathway to promote immune cell survival and differentiation (PubMed:19915044). Participates in bidirectional cell-cell contact signaling between antigen presenting cells and lymphocytes. In response to ligation of TNFSF14/LIGHT, delivers costimulatory signals to T cells, promoting cell proliferation and effector functions (By similarity). Interacts with CD160 on NK cells, enhancing IFNG production and anti-tumor immune response (PubMed:25711213). In the context of bacterial infection, acts as a signaling receptor on epithelial cells for CD160 from intraepithelial lymphocytes, triggering the production of antimicrobial proteins and proinflammatory cytokines (PubMed:22801499). Upon binding to CD160 on activated CD4+ T cells, downregulates CD28 costimulatory signaling, restricting memory and alloantigen-specific immune response (By similarity). May interact in cis (on the same cell) or in trans (on other cells) with BTLA (PubMed:19915044, PubMed:15568026). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (PubMed:19915044, PubMed:15568026).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified Tnfrsf14 protein (Cat# TP523946). The protein was produced from HEK293T cells transfected with Tnfrsf14 cDNA clone (Cat# [MR223946]) using MegaTran 2.0 (Cat# [TT210002]).