## For Research Use Only Recombinant Human LIGHT/CD258 protein (His Tag)



## Catalog Number: Eg32095

Basic Information	<mark>Species:</mark> Human	Purity: >95 %, SDS-PAGE	Tag: His Tag
	EC50: 0.1-0.4 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	<mark>Endotoxin Level:</mark> <0.1 EU/ μ g protein, LAL method		
	Source: HEK293-derived Human LIGHT protein Asp74-Val240 (Accession# O43557) with a His tag at the N-terminus. GeneID: 8740		
	Predicted Molecular Mass: 19 kDa		
	SDS-PAGE: 20-22 kDa, reducing (R) conditions		
	Formulation: Lyophilized from 0.22 µ m filtered protectants before lyophilization	d solution in PBS, pH 7.4. Normal	ly 5% trehalose and 5% mannitol are added as
	<b>Biological Activity</b>	Immobilized Human HVEM (Myc ta linear range of 0.1-0.4 ng/mL.	g, His tag) at 2 µg/mL (100 µL/v
Storage and Shipping	Storage: It is recommended that the prote	in be aliquoted for optimal store	age. Avoid repeated freeze-thaw cycles.
	<ul> <li>Until expiry date, -20°C to</li> <li>3 months, -20°C to -80°C</li> </ul>	o -80°C as lyophilized proteins. under sterile conditions after re	econstitution.
	Shipping: The product is shipped at ambient temperature.	t temperature. Upon receipt, sto	ore it immediately at the recommended
Reconstitution	Briefly centrifuge the tube before	e opening. Reconstitute at 0.1-0	.5 mg/mL in sterile water.
Background	Tumor necrosis factor superfamil regulates innate and adaptive imr bone. TNFSF14 is an immunomodu lymphocytes, monocytes, and grau TNFSF14 leads to T cell activation cytokine secretion through bindir implicated in various pathogenic diabetes, and atherosclerosis.	y member 14 (TNFSF14), LIGHT, is nune responses, which promote ulatory cytokine and a member o nulocytes, and is primarily know through interaction with HVEM t ng to lymphotoxin $\beta$ receptor (L conditions related to inflammat	s a component of the cytokine network that homeostasis of lymphoid organs, liver, and f the TNF superfamily. It is expressed by n for its critical role in immune functions. by enhancing T cell proliferation and induces IT $\beta$ R) on mast cells. TNFSF14 has also been ory responses such as tumors, type 2
References	1.Giacomina Brunetti. et al. (2020) 2.Marcos W Steinberg. et al. (2011 3.K Tamada. et al. (2000). J Immuno 4.Peter Stopfer. et al. (2004). J Imn 5.W H Lee. et al. (2001). Arterioscle	. J Bone Miner Res. 35(4):671-68 ). Immunol Rev. 244(1):169-187. ol. 164(8):4105-4110. nunol. 172(12):7459-7465. er Thromb Vasc Biol. 21(12):2004	0 -2010.
Synonyms	LIGHT, CD258, HVEM L, HVEML, HVE	M-L	

## Selected Validation Data





Purity of Recombinant Human LIGHT was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

Immobilized Human HVEM (Myc tag, His tag) at 2  $\mu$  g/mL (100  $\,\mu$  L/well) can bind Human LIGHT (His tag) with a linear range of 0.1-0.4 ng/mL

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.