Lymphocyte antigen 6H/LY6H Protein, Human (HEK293, His)

Cat. No.:	HY-P70217
Synonyms:	rHuLymphocyte antigen 6H/LY6H, His; Lymphocyte Antigen 6H; Ly-6H; LY6H
Species:	Human
Source:	HEK293
Accession:	O94772 (L26-G115)
Gene ID:	4062
Molecular Weight:	Approximately 18.0 kDa

PROPERTIES

AA Sequence	L W C Q D C T L T T N S S H C T P K Q C Q P S D T V C A S V R I T D P S S S R K D H S V N K M C A S S C D F V K R H F F S D Y L M G F I N S G I L K V D V D C C E K D L C N G A A G
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PSAP/Prosaposin protein acts as a myelinotrophic and neurotrophic factor, exerting its effects through G-protein-coupled receptors, GPR37 and GPR37L1, which undergo ligand-mediated internalization followed by ERK phosphorylation signaling. Furthermore, saposin-A and saposin-C, components of PSAP, stimulate the hydrolysis of glucosylceramide and galactosylceramide by their respective enzymes. Notably, saposin-C is proposed to combine with the enzyme and acidic lipid to form an activated complex, suggesting a mechanism of action that involves complex formation rather than substrate solubilization.

Caution: Product has not been fully validated for medical applications. For research use only.

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