

Recombinant Human PDE7A protein

Cat. No. PDE7A-356H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant catalytic domain of human phosphodiesterase 7A was expressed in E. coli.
Species	Human
Source	E.coli
Description	PDE7A is expressed in immune and pro-inflammatory cells. It is being investigated as an alternate target to PDE4 for the inhibition of inflammation that is associated with many inflammatory diseases including asthma, chronic obstructive pulmonary disease, atopic dermatitis, psoriasis, lupus, rheumatoid arthritis and multiple sclerosis
Molecular Mass	39 kDa
Storage	Long Term Storage: -80 centigrade

GENE INFORMATION

Gene Name	PDE7A phosphodiesterase 7A [Homo sapiens]
Official Symbol	PDE7A
Synonyms	PDE7A; phosphodiesterase 7A; high affinity cAMP-specific 3,5-cyclic phosphodiesterase 7A; HCP1; TM22; phosphodiesterase isozyme 7; PDE7;

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Gene ID	5150
mRNA Refseq	NM_001242318
Protein Refseq	NP_001229247
MIM	171885
UniProt ID	Q13946
Chromosome Location	8q13
Pathway	G Protein Signaling Pathways, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem;
Function	3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-AMP phosphodiesterase activity; hydrolase activity; metal ion binding;