Recombinant Human SEMA6D cell lysate

Cat. No. SEMA6D-1583HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	Semaphorins are a large family, including both secreted and membrane associated proteins, many of which have been implicated as inhibitors or chemorepellents in axon pathfinding, fasciculation and branching, and target selection. All semaphorins possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Additional sequence motifs C-terminal to the semaphorin domain allow classification into distinct subfamilies. Results demonstrate that transmembrane semaphorins, like the secreted ones, can act as repulsive axon guidance cues. This gene encodes a class 6 vertebrate transmembrane semaphorin that demonstrates alternative splicing. Six transcript variants have been identified and expression of the distinct encoded isoforms is thought to be regulated in a tissue- and development-dependent manner.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SEMA6D sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D [Homo sapiens]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	SEMA6D
Synonyms	SEMA6D; sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D; semaphorin-6D; FLJ11598; KIAA1479;
Gene ID	80031
mRNA Refseq	NM_001198999
Protein Refseq	NP_001185928
MIM	609295
UniProt ID	Q8NFY4
Chromosome Location	15q21.1
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Other semaphorin interactions, organism-specific biosystem; Post-translational modification: synthesis of GPI-anchored proteins, organism-specific biosystem;
Function	receptor activity;

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