PSMC3 (Human) Cell-Based ELISA Kit

Catalog # KA3459 Size 1 Kit

Specification

Product Description	PSMC3 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of PSMC3 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — PSMC3

Entrez GeneID	5702
Gene Name	PSMC3
Gene Alias	MGC8487, TBP1
Gene Description	proteasome (prosome, macropain) 26S subunit, ATPase, 3
Omim ID	186852

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Gene Ontology	Hyperlink
Gene Summary	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9. [provided by RefSeq
Other Designations	Tat-binding protein 1|human immunodeficiency virus tat transactivator binding protein-1|proteasome 26S ATPase subunit 3|proteasome subunit P50

Pathway

- Proteasome

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