

PSMA6, 1-246aa, Human, His tag, E.coli

Cat.NO.: TP03564

3th Edition

Synonyms:Proteasome subunit alpha type 6, IOTA, p27K, PROS27.

Description:Proteasome subunit alpha type 6, also known as PSMA6, is a member of the peptidase T1A family, which is a 20S core alpha subunit. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.1M NaCl

Molecular Weight:29.9 kDa (270aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSRGSSAGFDRHITIFSPEGRLYQVEYAFKAINQGGLTSVAVRGKDCAVIV
TQKKVPDKLLDSSTVTHLFKITENIGCVMTGMTADSRVQVQRARYEAANWKYKYGYEIPVDMLCKRIADISQVYTQN
AEMRPLGCCMILIGIDEEQGPVYKCDPAGYYCGFKATAAGVKQTESTSFLEKKVKKKFDWTFEQTVETAITCLSTV
LSIDFKPSEIEVGVVTVENPKFRILTEAEIDAHLVALAERD

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.