

32-3860: GAGE2A Recombinant Protein

Alternative Name : G Antigen 2A,G Antigen 2A/2B,Cancer/Testis Antigen Family 4,Cancer/Testis Antigen Family 4,Member 2,GAGE-2A,Member 2,CT4.2,GAGE-2.

Description

Source : Escherichia Coli. GAGE2A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 139 amino acids (1-116) and having a molecular mass of 15.0kDa.GAGE2A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. GAGE2A is a member of a multigene family expressed in a large variety of tumors while in normal tissues; expression is limited to germ cells. These genes organized in clustered repeats, have a high degree of predicted sequence identity, however differ by scattered single nucleotide change. Their sequences have either the antigenic peptide YRPRPRRY or YYWPRPRRY which is recognized by cytotoxic T-cells.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The GAGE2A solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MGSMSWRGRS TYRPRPRRYV EPPMIGPMR PEQFSDEVEP
ATPEEGEPAT QRQDPAAAQE GQDEGASAGQ GPKPEAHSQE QGHPQTGCEC EDGPDGQEMD
PPNPEEVKTP EEEKQSQC