

GZMB, 21-247aa, Human, His tag, E.coli

Cat.NO.: TP02381

3th Edition

Synonyms:Granzyme B, CCPI, CGL-1, CGL1, CSP-B, CSPB, CTLA1, CTSL1, HLP, SECT

Description:GZMB also known as granzyme B is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface nonself antigens, usually peptides or proteins resulting from infection by intracellular pathogens. Recombinant human GZMB, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris 8.0 containing 10% glycerol

Molecular Weight:27.8kDa (248aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMIIGGHEAKPHSRPYMAYLMIWDQKSLKRCGGFLIQDDFVLTAHHCWGSSINVTL
GAHNIKEQEPTQQFIPVKRPIPHPAYNPKNFSNDIMLLQLERKAKRTRAVQPLRLPSNKAQVKPGQTCSVAGWGQT
APLGKHSHTLQEVKMTVQEDRKCESDLRHYYDSTIELCVGDPEIKKTSFKGDSGGPLVCNKVAQGIVSYGRNNGM
PPRACTKVSSFVHWIKKTMKRY

Purity:> 95% by HPLC

Concentration:

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.