

HPGDS, 1-199aa, Human, His tag, E.coli

Cat.NO.: TP02494

3th Edition

Synonyms:Hematopoietic prostaglandin D synthase, GSTS, PGDS.

Description:HPGDS, also known as GSTS, is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH₂ to PGD₂ and plays a role in the production of prostanoids in the immune system and mast cells. The presence of this enzyme can be used to identify the differentiation stage of human megakaryocytes. Recombinant human HPGDS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl,1mM DTT

Molecular Weight:25.9 kDa (223aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMPNYKLTYFNMRGRAEIIRYIFAYLDIQYEDHRIEQADWPEIKSTLPFGKIPIL
EVDGLTLHQSLAIARYLTKNTDLAGNTEMEQCHVDAIVDTLDDFMSCFPWAEKKQDVKEQMFNELLTYNAPHLMQ
DLDTYLGGREWLIGNSVTWADFYWEICSTLLVFKPDLLDNHPRLVTLRKKVQAIPAVANWIKRRPQTKL

Purity:> 95% by HPLC

Concentration:1 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.