

PEDF, 20-418 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03347

3th Edition

Synonyms:Pigment epithelium-derived factor, EPC-1, PIG35, SERPINF1.

Description:PEDF, also known as SERPINF1, is an extracellular neurotrophic agent, first identified as a secreted product in conditioned medium from cultured fetal human retinal pigment epithelial (RPE) cells. It was reported that PEDF isolated from medium conditioned by human fetal RPE primary cultures promotes neurite outgrowth in cultured human retinoblastoma Y-79 cells. PEDF is also a member of the serpin family, a group of serine protease inhibitors.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol.

Molecular Weight:46.7 kDa (420 aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMQNPASPPEEGSPDPDSTGALVEEEDPFFKVPVNKLAAAVSNFGYDLYRVRSSM
SPTTNVLLSPLSVATALSALSLSLGAEQRTESIIHRALYYDLISSPDIHGTYKELLDTVTAPQKNLKSASRIVFEKKLRIKSS
FVAPLEKSYGTRPRVLTGNPRDLQEIINNWWQAQMKGKLARSTKEIPDEISILLGVAHFKGQWVTKFDSRKTSLD
FYLDEERTVRVPMMSDPKAVLRYGLDSDLCKIAQLPLTGSMIIFFLPLKVTQNLTLIEESLTSEFIHDIDRELKTVQA
VLTVPKLSYEGEVTKSLQEMKLQSLFDSPDFSKITGKPIKLTQVEHRAGFEWNEDGAGTTPSPGLQPAHLTFPLD
YHLNQPFIFVLRD TDGALLFIGKILDPRGP

Purity:> 95% by HPLC

Concentration:0.5 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.