

Developmental Pluripotency Associated 5 Human Recombinant

Item Number	rAP-3183
Synonyms	ESG1, Developmental pluripotency-associated 5 proteins, hDPPA5, Embryonal stem cell-specific gene 1 protein, ESG-1.
Description	DPPA5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 139 amino acids (1-116 a.a) and having a molecular mass of 15.9kDa.DPPA5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	A6NC42
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSMGTLPAR RHIPPWVKVP EDLKDPEVFQ VQTRLLKAIF GPDGSRIPYIEQVSKAMLEL KALESSDLTE VVYGSYLYK LRTKWMLQSM AEWHRQRQER GMLKLAEAMN ALELGPWMK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	DPPA5 protein solution (0.25mg/ml) containing 20mM Phosphate buffer (pH 8.0), and 10% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**