

Developmental Pluripotency Associated 4 Human Recombinant

Item Number	rAP-3182
Synonyms	Developmental Pluripotency Associated Protein 4, 2410091M23Rik.
Description	DPPA4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 327 amino acids (1-304) and having a molecular mass of 35.9kDa. DPPA4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q7L190
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSQLRGAS STSMEKAKGK EWTSTEKSRE EDQQQASNQPN SI- ALPGTSAK RTKEKMSIKG SKVLCPKKKKA EHTDNPRPQK KIPIPPLPSK LPPVNLIHRD ILRAWCQQLK LSSKGQKLDA YKRLCAFAYP NQKDFPSTAK EAKIRKSLQK KLKVEKGETS LQSSETHPPE VALPPVGEPP ALENSTALLE GVNTVVVTTS APEALLASWA RISARARTPE AVESPQEASG VRWCVVHGKS LPADTDGWVH LQFHAGQAWV PEKQEGRVSA LFLLPASNFP PPHLEDNMCL PKCVHRNKVL IKSLQWE
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	The DPPA4 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol. Greater than 85% 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 end users! This product is sold for **Research Use Only**