

## Impact RWD Domain Protein Human Recombinant

<b>Item Number</b>	rAP-4011
<b>Synonyms</b>	RWDD5, Protein IMPACT, Imprinted and ancient gene protein homolog, IMPACT.
<b>Description</b>	IMPACT Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (1-320 a.a.) and having a molecular mass of 38.9kDa. IMPACT is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q9P2X3
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSM AEGDAG SDQRQNEEIE AMAAIYGEEW CVIDDCAKIF CIRISDDIDD PKWTLCLQVM LPNEYPGTAP PIYQLNAPWL KGQERADLSN SLEEIYIQNI GESILYLWVE KIRDVLIQKS QMTEPGPDVK KKTEEEDVEC EDDLILACQP ESSVKALDFD ISETRTEVEV EELPPIDHGI PITDRRSTFQ AHLAPVVC PK QVKMVL SKLY ENKKIASATH NIYAYRIYCE DKQTF LQDCE DDGET- AAGGR LLHLMEILNV KNVMVVSRW YGGILLGPDR FKHINNCARN ILVEKNYNTNS PEESKALGK NKKVRKDKKR NEH.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	IMPACT protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**