9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IMPACT Human

Impact RWD Domain Protein Human Recombinant
RCP1122

Product Overview

Name	IMPACT Human
Description	
Impact RWD Domain Protein Human Recombinant	
Accession (Primary)	Q9P2X3
Synonyms	
RWDD5, Protein IMPACT, Imprinted and ancient gene protein homolog, IMPACT.	
Introduction	
Impact RWD Domain Protein (IMPACT) is a member of the IMPACT family which is comprised of 1 RWD domain. IMPACT is a translational regulator which certifies constant high levels of translation under amino acid starvation. IMPACT interacts with GCN1/GCN1L1, thus preventing activation of GCN2 protein kinases (EIF2AK1 to 4) and subsequent down-regulation of protein synthesis. IMPACT is highly expressed especially in brain.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
IMPACT protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MAEGDAG SDQRQNEEIE AMAAIYGEEW CVIDDCAKIF CIRISDDIDD PKWTLCLQVM LPNEYPGTAP PIYQLNAPWL KGQERADLSN SLEEIYIQNI GESILYLWVE KIRDVLIQKS QMTEPGPDVK KKTEEEDVEC EDDLILACQP ESSVKALDFD ISETRTEVEV EELPPIDHGI PITDRRSTFQ AHLAPVVCPK QVKMVLSKLY ENKKIASATH NIYAYRIYCE DKQTFLQDCE DDGETAAGGR LLHLMEILNV KNVMVVVSRW YGGILLGPDR FKHINNCARN ILVEKNYTNS PEESSKALGK NKKVRKDKKR NEH.	

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Precautions

IMPACT Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9P2X3)