

Product datasheet for TP762156

SECISBP2 (NM_024077) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Purified recombinant protein of Human SECIS binding protein 2 (SECISBP2), Met1-Gln101, with N-terminal His-PDCD1(Pro21-Val170) tag, expressed in E. coli, 50ug Species: Human **Expression Host:** E. coli **Expression cDNA Clone** A DNA sequence encoding the region(Met1-Gln101) of SECISBP2 or AA Sequence: N-terminal His-PDCD1(Pro21-Val170) tag Tag: Predicted MW: 27.9 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 50 mM Tris-HCl, pH 8.0, 8 M urea Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. **RefSeq:** NP 076982 79048 Locus ID: **UniProt ID:** Q96T21 **RefSeq Size:** 3535 Cytogenetics: 9q22.2 **RefSeq ORF:** 2562 Synonyms: SBP2



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Summary:The protein encoded by this gene is one of the essential components of the machinery
involved in co-translational insertion of selenocysteine (Sec) into selenoproteins. Sec is
encoded by the UGA codon, which normally signals translation termination. The recoding of
UGA as Sec codon requires a Sec insertion sequence (SECIS) element; present in the 3'
untranslated regions of eukaryotic selenoprotein mRNAs. This protein specifically binds to the
SECIS element, which is stimulated by a Sec-specific translation elongation factor. Mutations
in this gene have been associated with reduction in enzymatic activity of type II iodothyronine
deiodinase (a selenoprotein) and abnormal thyroid hormone metabolism. Alternatively
spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2017]

Product images:

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