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**Interleukin6 signal transducer, 23-619aa, Human, His tag, Insect cell**

**Cat.NO.: TP02682**

3th Edition

**Synonyms:**IL6ST, CD130, CDw130, GP130, GP130-RAPS, IL6R-beta

**Description:**IL6ST, also known as interleukin6 signal transducer, belongs to class 1 cytokine receptor family. Binding of IL-6 (IL-11) to either the membrane-anchored or soluble IL-6R (IL-11R) initiates the association of IL-6 R (IL-11 R) with IL6ST when then undergoes homo-dimerization and signal transduction. Recombinant human IL6ST, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**68.9kDa (605aa), 70-100KDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ELLDPCGYISPESPVVQLHSNFTA VCVLKEKCMDYFHVNANYIVWKTNHFTIPKEQYTIINRTASSVTFTDIASLNLIQL  
TCNILTFGQLEQNVYGITIISGLPPEKPKNLSCIVNEGKKMRCEWDRGRETHLETNFTLKSEWATHKFADCKAKRDT  
PTSCTVDYSTVYFVNIEVWVEAENALGKVTSDHINFDPVYKVKPNPPHNLSVINSEELSSILKLTWTPNSIKSVIILKYN  
IQYRTKDASTWSQIPPEDTASTRSSFTVQDLKPFTEYVFRIRCMKEDGKGYWSDWSEEASGITYEDRPSKAPSFY  
KIDPSHTQGYRTVQLVWKTLPPEANGKILDYEVTLTRWKSHLQNYTVNATKLTVNLTNDRYVATLTVRNLVGKSDA  
AVLTIPACDFQATHPVMDLKAFPKNMLWVEWTTPRESVKKYILEWCVLSDKAPCITDWQQEDGTVHRTYLRGNL  
AESKCYLITVTPVYADGPGSPESIKAYLKQAPPSKGPTVVRTKKVGKNEAVLEWDQLPVDVQNGFIRNYTIFYRTIIGN  
ETAVNVDSSTHEYTLSSLTSDTLYMVRMAAYTDEGGKDGPEFTFTTPKFAQGEIELEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.